SARDAR PATEL UNIVERSITY

ACADEMIC REGULATIONS FOR THE DEGREE OF BACHELOR OF ARCHITECTURE (EFFECTIVE FROM 17—18 ONWARDS):

<u>ARAr.1.0</u>	ELIGIBILITY
	Eligibility of admissions to First Year Bachelor of Architecture program is based on the guidelines issued by Council of Architecture from time to time.
<u>ARAr.2.0</u>	REGISTRATION
2.1	A student admitted to Semester I must register for all courses in the semester as in the programme of studies. For all subsequent semesters, a student must register for all courses prescribed in the Semester for which he/she is eligible.
2.2	A student must have paid full fees, to be a bonafide student for the semester and he/she must be registered for all courses for which he/she is eligible. Only a bonafide student shall be entitled to facilities on and off the campus, concessions, introductions, etc.
2.3	A student shall not be permitted to take time off more than 2 semesters consecutively for purposes of work experience, travel or alternative studies, or for any other valid reason. A continuous break in studies beyond 2 semesters shall mean that the student status is forfeited and the student is required to apply for readmission.
2.4	A student may be denied Registration if he/she has been debarred or suspended from studies due to disciplinary action taken by the School/College or the University.
<u>ARAr 3.0</u>	DISCIPLINE
3.1	High Standard of discipline is expected from all the students enrolled. Basic guidelines of the code of conduct has been included in the agreements signed by the students & Parents/Guardians, at the time of admission/registration.
3.2	Any non-observance of the laid down norms shall res ult indisciplinary/administrative action, including expulsion from the courses. Action will be considered based on gravity and line of action initiated by the School/College or the University.
<u>ARAr. 4.0</u>	STAGE CLEARANCE
4.1	A student at any time can carry a maximum of 16 credit backlog, except at stage clearance. A student having more than 16 credits backlog shall not be permitted to register for any subsequent semester till he/she has reduced the total backlog to 16 or less credits.
4.2	FIRST STAGE CLEARANCE : A student, at the end of first year must have cleared 40 out of 52 credits of First 2 semesters. This requirement must be fulfilled at the end of Semester II. A student not clearing 40 credits, must repeat the First Year and clear all subjects in which he/she has failed. Full fees as applicable in the case of new registration shall be charged for the repeat year.
4.3	SECOND STAGE CLEARANCE : A student at the end of the Third year (Semester VI), in order to qualify for Office Training (Semester VII), must have cleared all Design Studios including Design Studio of Semester -VI and at least 148 out of 156 credits. A maximum backlog of 8 credits shall be permissible for registration to Semester VII. A student is required to register and pay the prescribed fees at the beginning of the Semester-VII.
4.4	A student in order to register for Semester VIII must have cleared the prescribed credits of 173 out of 181 Credits up to Semester VII- Office Training.
4.5	THIRD STAGE CLEARANCE: A student at the end of Semester-IX, in order to qualify for registration to Semester-X (Dissertation), must have cleared 229 out of 231 credits upto this stage. A maximum backlog of 2 credits shall be permissible for registration to Semester X.
4.6	A student admitted at Higher Levels, through higher-level admissions, coming from other University or recognized colleges, shall be exempted from courses cleared successfully at the University or College he/she is coming from up to the level at which the student is admitted subject to eligibility by the University and course by course grant of exemption as decided by the

	The details of Stage Clearance BA	are summarised as under : CHELOR of ARCHITECTUR	RE:
	SEMESTER (FROM)	PERMISSIBLE CREDIT BACKLOG	SEMESTER (TO)
	I	16 CREDITS	II
	П	12 CREDITS	III
		FIRST STAGE CLEARANCE	
	III	16 CREDITS	IV
	IV	16 CREDITS	V
	V	16 CREDITS	VI
	VI	08 CREDITS	VII
		SECOND STAGE CLEARANCE	
	VII	08 CREDITS	VIII
	VIII	16 CREDITS	IX
	IX	02 CREDITS	Х
		THIRD STAGE CLEARANCE	
<u>ARAr 5.0</u>	ATTENDANCE		
5.1	times. Minimum attendance re not having the required minim course, shall be declared non el	ad Studios, Workshops and Lect quirement is 80% of the total class um attendance and a minimum 4 igible (NE) to take the Universit iversity shall be treated as final in	sess held in a course. A student 10% internal assessment in any y Examination in that particular
5.2		student may be permitted to have urse in consultation with the Prin	
5.3	discontinuation of that semeste may seek fresh Registration in t	a valid reason for more than r. If a student wishes to continu he same semester in the next acad	e in the School/College, he/she
<u>ARAr 6.0</u>	EVALUATION AND EXAM	INATION	
6.1	All courses are evaluated by regular assessment of the Term-work during the semester and The end - term written Examination / Jury or Viva by the University. The following pattern shall be followed for Studio, Theory and Workshop/ Seminar courses respectively. <u>A STUDIO /DISSERTATION :</u> 50 % - Periodic assessment of Term-work (including time problems during the semester) 50 % - End-term Jury/Viva. <u>B THEORY :</u> 50 % - Periodic assessment (quizzes, papers, assignments/tests etc.) 50 % - End-term written examination <u>C WORKSHOP/SEMINAR</u> : 50 % - Periodic assessment of Term-work(assignments /exercises/presentation etc.)		
6.2	50 % - End-term submission/report or viva or both. The minimum level for passing and obtaining credits is 45% course wise. Minimum passing percentage in Internals/ Continual Assessment is 40 % and in external University Examination(Theory/ Studio) is 50%. Passing is both the heads (Internal and External) is mandatory to earn full credits of the subject. The rules for Condonation and promotion shall be as per Ordinances laid down by University.		
6.3	 as per Ordinances laid down by University. For award of Class in the Final Year (Semester IXth and Xth), the following standards shall be applicable to the total marks earned in courses of Semester IX & X. 1. Distinction 66% and above 2. First Class 60% and above 3. Second Class 50% and above 4. Pass Class 45% and above 		
6.4	Exemption for head of passi year/semester)	ng in any subject is 50% and	above(applicable for repeat

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6.5	A student may apply for rechecking / reassessment as per rules of the University if the results of any course is felt to be unfair or erroneous.
<u>ARAr 7.0</u>	REPEAT EXAMINATION
7.1	It is student's responsibility to seek information / advice regarding a repeat examination.
7.2	A student who has failed in any subject shall appear for the examination as and when it is conducted by the University. The marks of Term work shall be carried over from the semester in which term work was completed successfully.
<u>ARAr 8.0</u>	REPEAT REGISTRATION
8.1	A student who fails to clear Term work and or internal assessment of a course as per Clause 5.0 and 6.0 shall have to register for the course and repeat it fully in a subsequent semester. In such cases, none of the marks/ credits earned earlier shall be carried over.
8.2	A student must make a written application for re- registration to a particular course/s. If there are more than ten students repeating a particular course, the School/College may at its discretion make arrangement for the students to attend classes.
8.3	A student seeking admission at Higher Levels/ seeking transfer from another University or recognized colleges, shall be exempted from courses cleared successfully at the University or College he/she is coming from up to the level at which the student is admitted subject to eligibility by the University and course by course grant of exemption as decided by the Equivalence Committee. This admission shall be done strictly as per the procedure laid down by the University and according to the guidelines of Council of Architecture.
<u>ARAr 9.0</u>	RELATED STUDY PROGRAMS(RSP)
	Students for Ist, and IInd year have to go for RSPs as part of their academic curriculum. Each RSP carries 02 credits and it is important to earn these credits in order to attain a class in final year and for a Award of Degree.
<u>ARAr 10.0</u>	OFFICE TRAINING (Semester VII)
10.1	A student undertaking Office Training must satisfy conditions of training and submit the necessary reports for evaluation as specified in the curriculum.
10.2	On examination of the report and a presentation by the student, the Examiners would award the credits for Training.
<u>ARAr 11.0</u>	DISSERTATION
11.1	A student must register for Dissertation semester with 3 copies of the proposal on A4 Size papers with topic, name, ID No., the name of the Guide and his / her acceptance letter.
11.2	After the proposal has been submitted, a student shall not be permitted to change the topic of Dissertation substantially without prior permission of the Dissertation Committee.
<u>ARAr 12.0</u>	AWARD OF DEGREE
	A student will be awarded the degree of Bachelor of Architecture (B.Arch) after successful completion of the Five Year Programme of study.

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DETAILED SYLLABUS FOR 5-YEAR BARHELOR OF ARCHITECTURE PROGRAM

	B.Arch-I: SEME	STER	1	
AR 2101 DE	ESIGN STUDIO - I (L=0, S=0)	7, W=0)		CREDITS = 05
INTERNAL AS	SESSMENT (T.W./PERIODIC REVIEW) = 5	0	CONTAC	CT HRS/WK = 07
UNIVERSITY I	EXAMINATION (JURY/TIME PROBLEM/VIVA) = 5	0		
Focus :	Anthropometrics and Shelter.			
Contents:	Anthropometrics: Human dimensions and pro	oportio	ns;	
	Basic Shelter: Understanding of shelter as a			lture climate, site &
	technology: exercises to provide exposure to	various	types of shelter.	
	Analysis of various types			
Projects:	Site visits to expose students to diversity of	f shelte	r & spaces. Exercises fo	or analysis of various
	types/categories of space.			
	Single-function small space design, with	•	•	-
	design exercises must be done, relating to h	uman s	scale and spatial require	ements for different
	activities and functions)	•	It attacks and the second	
Skills :	Sketching and model making for 3D		•	stressed. Single line
	orthographic drawings of designed space models to facilitate visualization.	25 1116	ly be allempted for	inal project, using
REFERENCES				
Sr.No.	Title	Auth	or	
01.	Time Saver's Standards		d by Joseph De Chicera	
02.	Neufert's Data		Neufert	
03.	New Metric Handbook		cia Tutt	
04.	Architecture: Form, Space and Order		cis D.K. Ching	
	N		5	
AR 2102 AR	CHITECTURAL GRAPHIC TECHNIQUES (AGT–I)	(L=0,S=7,W=0)	CREDITS = 05
	SESSMENT (T.W./PERIODIC REVIEW) = 50	1.		ACT HRS/WK = 07
	EXAMINATION (THEORY) = 50			
Focus :	Develop graphical and drawing skills as tools	for visu	ualization and represent	ation of design.
Contents:	Familiarization with drawing materials and eq			v
	Architectural lettering and Understanding of s	cales.		
	Line (orthogonal, curvilinear) intensity and pro	ecision	in plans, sections, elevati	ions etc
	Principles of Plane and Solid Geometry,			
	Orthographic Projections of points, lines, planes and solids,			
	Sections of solids (simple and complex) objects,			
	Surface Development- Paper Models and Drawings			
		Isometric and Axonometric view		
	Making basic drawings: Plan, elevation and se	ction o	t a building	
REFERENCES:				
Sr.No.	Title		Author	
01.	Engineering Drawing		N.D.Bhatt & V.M.Panch	al
02.	Rendering with Pen & Ink		Robert Gill	

DETAILED SYLLABUS FOR 5-YEAR BARHELOR OF ARCHITECTURE PROGRAM

03.	Visualization Techniques	Richard B. Leinbach	
04.	Perspective for the Architect	Georg Schaarwachter	
04.			
AR 2103 BA	ASIC DESIGN & WORKSHOP-I (L=1, S=3, W	V=3) CREDITS =	05
INTERNAL AS	SESSMENT (TERMWORK/EXERCISES) =50	CONTACT HRS/WK =	07
	XAMINATION (CRIT/TIME PROBLEM/VIVA) = 50		
Focus :	Fundamentals of visual perception		
Contents:	Drawing and sketching exercises in various media	а.	
	Analysis of visual impressions and representing in va	arious media.	
	Understanding elements of visual perception - line, f	form, space, colour, texture, pattern etc.	
	Relationship of forms and form space.		
	Working with various materials relating visual and		
	Drawings and sketches making basic geometrical for		
	and representing same in drawing from various		gles.
	(Materials like paper sheets, clay, thermocol, wood,	-	
Method:	Skills to be developed through a series of studio e	exercises with model making in the works	shop
	classes		
REFERENCES:	—		
Sr.No.	Title	Author	
01.	Form, Space & Order	Francis K.Ching	
02.	Free hand Drawing Self Taught	Arthur Guptill	
03.	Pencil Sketching	Thomas Wang	
	-	2,S=3, W=0) CREDITS = (
	SESSMENT (TERM WORK /EXERCISE) = 50	CONTACT HRS/WK =	05
UNIVERSITY E Focus:		ion of bosis building motorials, construin	a t : a a
FOCUS:	Understanding basic building elements, Introducti process	ion of basic building materials, construct	ction
Contents:	Introduction to various Building components - Strue	ctural & Non-Structural:	
	Bond – Types;		
	Masonry – Mud, Bricks, Stone; Pointing		
	Foundations – Types.		
	Materials - Bricks, stone, Mud, Timber, Lime, Cer	ment, Stone, different types of timber	their
	seasoning quality, etc.; their physical and behaviora	al properties, methods of application, cri	iteria
	for selection of materials based on design		
Method:	Lectures on basic construction of building; Class exe	ercises, and case studies.	
	Study of various components of existing building thr	ough sketches & models, Site visits	
	Lectures on building materials & their use in building	g	
	 Visit to manufacturing site e.g. bri 	ick kiln, saw mills	
	- Exercises, assignments, drawings		
	- Case studies and documentation.		
REFERENCES:	1		
C . N.	Title	Author	
Sr.No. 01.	Title Construction of Building VolI	Author	

DETAILED SYLLABUS FOR 5-YEAR BARHELOR OF ARCHITECTURE PROGRAM

02.	Building Construction Metric VolII		,
02.		W.B.Mckay Chudley	/
03.	Construction Technology VolI	Chudley	
AR 2105 HIST	ORY OF ART & CULTURE (L=2,	, S=0, W=0)	CREDITS =02
INTERNAL ASS	ESSMENT(TERM WORK /ASSIGNMENTS)=50		CONTACT HRS/WK= 02
UNIVERSITY EX	(AMINATION (THEORY) = 50		
Focus :	Study of Man and his culture to form- derivation	n for design – ph	ysical manifestation in
	the contemporary world.		
Contents :	Study of ancient world through its history, art, re		etc. to earmark cultural
	landmarks responsible for shaping human surroundin	-	
	Study of medieval and modern times to understand		
	Architecture and its relationship with other cultur		-
Method :	Teaching may be lecture-based, along with docume		-
	assignments/exercises to encourage self-learning as	individuals or in gro	ups
REFERENCES:	l 		
Sr.No.	Title	Author	
01.	Ascent of Man	J. Bronowski	
02.	History of World	Arnold Toynbee	
03.	History of Civilization	C.E.M. Joad	
		<u>)</u>	
	LISH AND COMMUNICATION SKILLS (L=1, S=0	, VV=2)	CREDITS =02
	ESSMENT (TERM WORK /ASSIGNMENTS/EXERCISES)=100		CONTACT HRS/WK= 03
Focus: Contents:	Basics of Communication: Definition and process of	Communication Kin	osics: Paralinguistic:
contents.	Phonemics;	Communication Kin	esics, rarainiguistic,
	Presentation Strategies: Defining the purpose, how t	to make an effective	presentation. Analyzing
	audience and locale; Organizing content		
Method:	A series of small practical exercises and demonstration	on.	
AE 2107 ELEC	TIVES-I (L=0, S=0, W=4)		CREDITS =02
INTERNAL ASS	ESSMENT (TERM WORK / ASSIGNMENTS / PORTFOLIO OF EXERCI	SES) =100	CONTACT HRS/WK= 04
Focus :	To help students in exploring their aptitudes and	•	
	painting, sculpture, sketching ceramic work, photogr		,
Contents :	A number of subjects shall be offered depending on the	faculty availability.	
Contents :		• •	er.
Contents :	A number of subjects shall be offered depending on	• •	er.
Contents :	A number of subjects shall be offered depending on Students may register for any one of the offered cou	• •	er.
Contents :	A number of subjects shall be offered depending on a Students may register for any one of the offered cou Courses that may be offered from time to time:	• •	er.
Contents :	A number of subjects shall be offered depending on Students may register for any one of the offered cou Courses that may be offered from time to time: AE 2108/1 - Painting	• •	er.
Contents :	A number of subjects shall be offered depending on Students may register for any one of the offered cou Courses that may be offered from time to time: AE 2108/1 - Painting AE 2108/2 - Photography	• •	er.
Contents :	A number of subjects shall be offered depending on Students may register for any one of the offered cou Courses that may be offered from time to time: AE 2108/1 - Painting AE 2108/2 - Photography AE 2108/3 - Pottery & Ceramic	• •	er.

DETAILED SYLLABUS FOR 5-YEAR BARHELOR OF ARCHITECTURE PROGRAM

	AE 2108/7 - Calligraphy AE 2108/8 - Graphic Design		
	AE 2108/8 - Graphic Design		
	AE 2108/10-Print Making		
Method :	Portfolio and Project Submission.		
wethou:			
SEMESTER II			
	ATED STUDY PROGRAMME		CREDITS = 02
	ESSMENT (TERM WORK) =100		CREDITS - 02
Focus	To enhance observation and visual perception	: develop free hand drawing	g skills using different
	techniques, tools and media.	,	5
Content	Visit/s to site/s (preferably historical); sketch	ning various natural and m	anmade objects and
	settings, visual representation through tools li	-	-
	colours, etc.	, , ,	, , , , , , , , , , , , , , , , , , , ,
AR 2201 DE	SIGN STUDIO - II (L=0,S=7,V	V=0)	CREDITS =05
INTERNAL ASS	ESSMENT (TERM WORK) =50	CO	NTACT HRS/WK =07
UNIVERSITY EX	AMINATION (CRIT/TIME PROBLEM/ VIVA) =50		
Focus :	Human Scale, Space/Form and the design proce	ess.	
Contents:	Human Scale: Concept of Scale & Proportions.		
	Form : Elements of Form, various forms and th	eir characteristics.	
	Space: Elements of space making (Enclosu	ire and openings) and explo	oring the principles of
	combination.		
	Types of Spaces: Activity space, Circulation space		
	Movement & Linkages: Kinds and spatial values		
	Quality of Space: Effects of light, colour, mater		
	Design Process: Requirements/needs of proj		
	interrelationships, programming & ordering me		5.
Projects :	Small projects of low complexity with focus on a		
Skills :	Models; application of skills learnt in AGT cours		ective,
	basic rendering techniques in architectural drav	vings	
REFERENCES:			
Sr.No.	Title	Author	
Sr.No. 01.	Architecture: Form, Space & Order	Francis D. K.Ching	
Sr.No. 01. 02.	Architecture: Form, Space & Order Scale in Architecture	Francis D. K.Ching Frank Orr	
Sr.No. 01.	Architecture: Form, Space & Order	Francis D. K.Ching	
Sr.No. 01. 02. 03.	Architecture: Form, Space & Order Scale in Architecture	Francis D. K.Ching Frank Orr	CREDITS =04
Sr.No. 01. 02. 03. AR 2202	Architecture: Form, Space & Order Scale in Architecture Architecture as Space	Francis D. K.Ching Frank Orr Bruno Zevi (L=0, S=6,W=0)	CREDITS =04 NTACT HRS/WK =06
Sr.No. 01. 02. 03. AR 2202	Architecture: Form, Space & Order Scale in Architecture Architecture as Space CHITECTURAL GRAPHIC TECHNIQUES (AGT–II) ESSMENT(EXERCISES) = 50	Francis D. K.Ching Frank Orr Bruno Zevi (L=0, S=6,W=0)	
Sr.No. 01. 02. 03. AR 2202 AR INTERNAL ASS	Architecture: Form, Space & Order Scale in Architecture Architecture as Space CHITECTURAL GRAPHIC TECHNIQUES (AGT–II) ESSMENT(EXERCISES) = 50	Francis D. K.Ching Frank Orr Bruno Zevi (L=0, S=6,W=0) CO	NTACT HRS/WK =06
Sr.No. 01. 02. 03. AR 2202 AR UNIVERSITY EX	Architecture: Form, Space & Order Scale in Architecture Architecture as Space CHITECTURAL GRAPHIC TECHNIQUES (AGT–II) ESSMENT(EXERCISES) = 50 XAMINATION = 50	Francis D. K.Ching Frank Orr Bruno Zevi (L=0, S=6,W=0) COr architectural designs Project	NTACT HRS/WK =06

DETAILED SYLLABUS FOR 5-YEAR BARHELOR OF ARCHITECTURE PROGRAM

	Three dimensional representations of	of interior	of spaces: Sectional perspectives, axonometric.	
	-		ws on horizontal, vertical, and inclined planes and	
	on objects' own surfaces.			
	Sciography on orthographic, isometr	ric drawing	zs	
	Measured Drawing Exercises			
Method :	A series of exercises to be completed in studio/classroom.			
REFERENCES				
Sr. No.	Title Author		Author	
01.	Sociography & Perspective		Malik	
02.	Perspective for the Architects		Georg Schaarwachter	
03.	Rendering with Pen & Ink		Robert Gill	
04.	Solid Geometry		N.D.Bhatt	
	· ·			
AR 2203 B	ASIC DESIGN & WORKSHOP-II	(1	=0,S=4, W=3) CREDITS =05	
INTERNAL AS	SESSMENT(TERM WORK /EXERCISES) =	50	CONTACT HRS/WK = 07	
UNIVERSITY	EXAMINATION = 50)		
Focus :	Design principles - natural and manr	nade obje	cts.	
Content :	Observing and analysing design of	natural o	bjects and manmade objects including geometry	
	pattern, texture, colour compositio	on, solid-v	oid relationships etc.	
	Structure and Composition of shape	s and form	ıs.	
	Effects of colour and texture in mod	Effects of colour and texture in modification of composition & its perception.		
	Workshop on colour and composition			
Method	· · ·		I making of objects, and presentation	
Method	· · ·		I making of objects, and presentation	
Method REFERENCES	Series of exercises in studio an drawings in workshop.		I making of objects, and presentation	
	Series of exercises in studio an drawings in workshop.		I making of objects, and presentation	
REFERENCES	Series of exercises in studio an drawings in workshop.	d ARtua		
REFERENCES Sr. No.	Series of exercises in studio an drawings in workshop. Title	d ARtua	K.Ching	
REFERENCES Sr. No. 01.	Series of exercises in studio an drawings in workshop. : Title Form, Space & Order	d ARtua Author Francis k	K.Ching juptill	
REFERENCES Sr. No. 01. 02.	Series of exercises in studio an drawings in workshop. Title Form, Space & Order Free hand Drawing Self Taught	d ARtua Author Francis K Arthur G	K.Ching juptill	
REFERENCES Sr. No. 01. 02. 03.	Series of exercises in studio an drawings in workshop. Title Form, Space & Order Free hand Drawing Self Taught	d ARtua Author Francis k Arthur G Thomas	K.Ching juptill	
REFERENCES Sr. No. 01. 02. 03. AR 2204 BU	Series of exercises in studio an drawings in workshop. Title Form, Space & Order Free hand Drawing Self Taught Pencil Sketching	d ARtua Author Francis K Arthur G Thomas	K.Ching Suptill Wang	
REFERENCES Sr. No. 01. 02. 03. AR 2204 BU INTERNAL AS	Series of exercises in studio an drawings in workshop. Title Form, Space & Order Free hand Drawing Self Taught Pencil Sketching ILDING TECHNOLOGY AND MATERIALS-	d ARtua Author Francis k Arthur G Thomas	C.Ching Suptill Wang (L=2,S=3,W=0) CREDITS =04	
REFERENCES Sr. No. 01. 02. 03. AR 2204 BU INTERNAL AS	Series of exercises in studio an drawings in workshop. Title Form, Space & Order Free hand Drawing Self Taught Pencil Sketching ILDING TECHNOLOGY AND MATERIALS-I SSESSMENT(TERM WORK /EXERCISES) = EXAMINATION = S Advanced materials used in construct	d ARtua Author Francis k Arthur G Thomas II 50 50 ction of Bu	C.Ching Suptill Wang (L=2,S=3,W=0) CREDITS =04 CONTACT HRS/WK = 05	
REFERENCES Sr. No. 01. 02. 03. AR 2204 BU INTERNAL AS UNIVERSITY	Series of exercises in studio an drawings in workshop. Title Form, Space & Order Free hand Drawing Self Taught Pencil Sketching ILDING TECHNOLOGY AND MATERIALS-I SSESSMENT(TERM WORK /EXERCISES) = EXAMINATION = 5 Advanced materials used in construct Metal - Ferrous and Non – ferrous -	d ARtua Author Francis k Arthur G Thomas II 50 50 ction of Bu Iron, Stee	K.Ching Suptill Wang (L=2,S=3,W=0) CREDITS =04 CONTACT HRS/WK = 05 wildings el, Market forms of Steel, Aluminium, Copper,	
REFERENCES Sr. No. 01. 02. 03. AR 2204 BU INTERNAL AS UNIVERSITY Focus :	Series of exercises in studio an drawings in workshop. Title Form, Space & Order Free hand Drawing Self Taught Pencil Sketching ILDING TECHNOLOGY AND MATERIALS-I SSESSMENT(TERM WORK /EXERCISES) = EXAMINATION = S Advanced materials used in construct Metal - Ferrous and Non – ferrous - Brick masonry (continued) – Acute /	d ARtua Author Francis k Arthur G Thomas II 50 50 Ction of Bu Iron, Stee obtuse ar	K.Ching Suptill Wang (L=2,S=3,W=0) CREDITS =04 CONTACT HRS/WK = 05 wildings el, Market forms of Steel, Aluminium, Copper,	
REFERENCES Sr. No. 01. 02. 03. AR 2204 BU INTERNAL AS UNIVERSITY Focus :	Series of exercises in studio an drawings in workshop. Title Form, Space & Order Free hand Drawing Self Taught Pencil Sketching ILDING TECHNOLOGY AND MATERIALS-I SSESSMENT(TERM WORK /EXERCISES) = EXAMINATION = 5 Advanced materials used in construct Metal - Ferrous and Non – ferrous - Brick masonry (continued) – Acute / Arches – types and their constructio	d ARtua Author Francis k Arthur G Thomas II 50 50 Ction of Bu Iron, Stee obtuse ar	K.Ching Suptill Wang (L=2,S=3,W=0) CREDITS =04 CONTACT HRS/WK = 05 wildings el, Market forms of Steel, Aluminium, Copper,	
REFERENCES Sr. No. 01. 02. 03. AR 2204 BU INTERNAL AS UNIVERSITY Focus : Content :	Series of exercises in studio an drawings in workshop. Title Form, Space & Order Free hand Drawing Self Taught Pencil Sketching ILDING TECHNOLOGY AND MATERIALS-I SSESSMENT(TERM WORK /EXERCISES) = EXAMINATION = 5 Advanced materials used in construct Metal - Ferrous and Non – ferrous - Brick masonry (continued) – Acute / Arches – types and their constructio Simple wooden joinery	d ARtua Author Francis k Arthur G Thomas II 50 50 ction of Bu Iron, Stee obtuse ar	(L=2,S=3,W=0) CREDITS =04 CONTACT HRS/WK = 05 illdings el, Market forms of Steel, Aluminium, Copper, agled joints, cavity wall construction.	
REFERENCES Sr. No. 01. 02. 03. AR 2204 BU INTERNAL AS UNIVERSITY Focus :	Series of exercises in studio an drawings in workshop. Title Form, Space & Order Free hand Drawing Self Taught Pencil Sketching ILDING TECHNOLOGY AND MATERIALS-I SSESSMENT(TERM WORK /EXERCISES) = EXAMINATION Advanced materials used in construct Metal - Ferrous and Non – ferrous - Brick masonry (continued) – Acute / Arches – types and their construction Simple wooden joinery Lectures on materials and construction	d ARtua Author Francis k Arthur G Thomas I 50 50 Ction of Bu Iron, Stee obtuse ar n. Ction of bu	(L=2,S=3,W=0) CREDITS =04 CONTACT HRS/WK = 05 Market forms of Steel, Aluminium, Copper, ngled joints, cavity wall construction.	
REFERENCES Sr. No. 01. 02. 03. AR 2204 BU INTERNAL AS UNIVERSITY Focus : Content :	Series of exercises in studio an drawings in workshop. Title Form, Space & Order Free hand Drawing Self Taught Pencil Sketching ILDING TECHNOLOGY AND MATERIALS-I SSESSMENT(TERM WORK /EXERCISES) = EXAMINATION Advanced materials used in construct Metal - Ferrous and Non – ferrous - Brick masonry (continued) – Acute / Arches – types and their construction Simple wooden joinery Lectures on materials and construction	d ARtua Author Francis k Arthur G Thomas I 50 50 Ction of Bu Iron, Stee obtuse ar n. Ction of bu	(L=2,S=3,W=0) CREDITS =04 CONTACT HRS/WK = 05 illdings el, Market forms of Steel, Aluminium, Copper, agled joints, cavity wall construction.	
REFERENCES Sr. No. 01. 02. 03. AR 2204 BU INTERNAL AS UNIVERSITY Focus : Content :	Series of exercises in studio an drawings in workshop. Title Form, Space & Order Free hand Drawing Self Taught Pencil Sketching ILDING TECHNOLOGY AND MATERIALS-I SSESSMENT(TERM WORK /EXERCISES) = EXAMINATION Brick masonry (continued) – Acute / Advanced materials used in construction Simple wooden joinery Lectures on materials and construction Studio Exercises and case studies for	d ARtua Author Francis k Arthur G Thomas I 50 50 Ction of Bu Iron, Stee obtuse ar n. Ction of bu	(L=2,S=3,W=0) CREDITS =04 CONTACT HRS/WK = 05 Market forms of Steel, Aluminium, Copper, ngled joints, cavity wall construction.	
REFERENCES Sr. No. 01. 02. 03. AR 2204 BU INTERNAL AS UNIVERSITY Focus : Content : Method :	Series of exercises in studio an drawings in workshop. Title Form, Space & Order Free hand Drawing Self Taught Pencil Sketching ILDING TECHNOLOGY AND MATERIALS-I SSESSMENT(TERM WORK /EXERCISES) = EXAMINATION Brick masonry (continued) – Acute / Advanced materials used in construction Simple wooden joinery Lectures on materials and construction Studio Exercises and case studies for	d ARtua Author Francis k Arthur G Thomas I 50 50 Ction of Bu Iron, Stee obtuse ar n. Ction of bu	(L=2,S=3,W=0) CREDITS =04 CONTACT HRS/WK = 05 Market forms of Steel, Aluminium, Copper, ngled joints, cavity wall construction.	
REFERENCES Sr. No. 01. 02. 03. AR 2204 BU INTERNAL AS UNIVERSITY Focus : Content : Method :	Series of exercises in studio an drawings in workshop. Title Form, Space & Order Free hand Drawing Self Taught Pencil Sketching ILDING TECHNOLOGY AND MATERIALS-I SSESSMENT(TERM WORK /EXERCISES) = EXAMINATION Advanced materials used in construct Metal - Ferrous and Non – ferrous - Brick masonry (continued) – Acute / Arches – types and their constructio Simple wooden joinery Lectures on materials and construction Studio Exercises and case studies for	d ARtua Author Francis k Arthur G Thomas I 50 50 Ction of Bu Iron, Stee obtuse ar n. Ction of bu	C.Ching Suptill Wang (L=2,S=3,W=0) CREDITS =04 CONTACT HRS/WK = 05 Market forms of Steel, Aluminium, Copper, ngled joints, cavity wall construction. Market forms of Steel, Aluminium, Copper, ngled joints, cavity wall construction.	

DETAILED SYLLABUS FOR 5-YEAR BARHELOR OF ARCHITECTURE PROGRAM

	Building Materials & Components	CBRI, Roorkee			
03. 04.	Building Construction	C.B. Punmia			
04.	Building Construction	C.D. Fullilla			
AR 2205 S	TRUCTURES-I	(L=2,S=0,W=0)	CREDITS = 02		
	SSESSMENT(TERM WORK /EXERCISES)		CONTACT HRS/WK = 02		
		: 50	CONTACT HKS/ WK = 02		
Focus :	Fundamentals of Structure	50			
Content :		v hasic terminology of me	chanics like mass, force, scalar and		
content .	vector, basic engineering units, u				
		-	ad bearing and Frame structure ,		
	Importance of foundations		, , , , , , , , , , , , , , , , , , , ,		
	Force and force systems definition	is and sketches			
	Law of parallelogram, triangle- Exa				
	Law of Polygon of forces – Exampl	-			
	Lami's theorem – Free body and s	pace diagram – Examples.			
	Concept of equilibrium, Moment a	and Couple.			
	Types of loads, supports and their	Types of loads, supports and their reactions (only point and U.D.L.).			
	Numerical on Shear force and bending moment Diagrams for Simply supported beams,				
	Cantilever Beams and Overhang beams Definition of Point of Contra flexure				
	Center of Gravity and Moment of Inertia Definition				
	Examples -Center of Gravity(One and Two Dimensional)				
	Examples -Moment of Inertia (parallel and perpendicular axis theorem).				
	Mainly lecture-based, illustrations & case studies. Type/options and Layout in studio project				
Method :		s & case studies. Type/opti	ons and Layout in studio project is		
	discussed.	s & case studies. Type/opti	ons and Layout in studio project is		
REFERENCES:	discussed.		ons and Layout in studio project is		
REFERENCES: Sr.No.	discussed. Title	Author	ons and Layout in studio project is		
REFERENCES:	discussed.		ons and Layout in studio project is		
REFERENCES: Sr.No. 01.	discussed. Title Fundamentals of Structures	Author Salvadori			
REFERENCES: Sr.No. 01. AR 2206 SL	discussed. Title Fundamentals of Structures URVEYING & LEVELLING	Author Salvadori (L=2, S=0, W=2)	CREDITS = 02		
REFERENCES: Sr.No. 01. AR 2206 SU INTERNAL AS	discussed. Title Fundamentals of Structures URVEYING & LEVELLING SESSMENT(TERMWORK/EXERCISE)	Author Salvadori (L=2, S=0, W=2) = 50			
REFERENCES: Sr.No. 01. AR 2206 SU INTERNAL AS UNIVERSITY B	discussed. Title Fundamentals of Structures URVEYING & LEVELLING ESESSMENT(TERMWORK/EXERCISE) EXAMINATION(Theory and Practical) =	Author Salvadori (L=2, S=0, W=2) = 50 = 50(25+25)	CREDITS = 02 CONTACT HOURS =04		
REFERENCES: Sr.No. 01. AR 2206 SU INTERNAL AS UNIVERSITY I Focus :	discussed. Title Fundamentals of Structures URVEYING & LEVELLING SESSMENT(TERMWORK/EXERCISE) EXAMINATION(Theory and Practical) = Techniques for preparation of me	Author Salvadori (L=2, S=0, W=2) = 50 = 50(25+25) asured drawings and settin	CREDITS = 02 CONTACT HOURS =04 ng out buildings on site		
REFERENCES: Sr.No. 01. AR 2206 SU INTERNAL AS UNIVERSITY B	discussed. Title Fundamentals of Structures JRVEYING & LEVELLING SESSMENT(TERMWORK/EXERCISE) EXAMINATION(Theory and Practical) = Techniques for preparation of me Understanding about various instr	Author Salvadori (L=2, S=0, W=2) = 50 = 50(25+25) asured drawings and settin ruments used for surveying,	CREDITS = 02 CONTACT HOURS =04 ng out buildings on site chain survey and compass survey.		
REFERENCES: Sr.No. 01. AR 2206 SU INTERNAL AS UNIVERSITY I Focus :	discussed. Title Fundamentals of Structures URVEYING & LEVELLING SESSMENT(TERMWORK/EXERCISE) EXAMINATION(Theory and Practical) = Techniques for preparation of me Understanding about various instr Preparing measured drawings of s	Author Salvadori (L=2, S=0, W=2) = 50 = 50(25+25) tasured drawings and settin truments used for surveying, urveyed area and buildings.	CREDITS = 02 CONTACT HOURS =04 ng out buildings on site chain survey and compass survey.		
REFERENCES: Sr.No. 01. AR 2206 SU INTERNAL AS UNIVERSITY I Focus :	discussed. Title Fundamentals of Structures URVEYING & LEVELLING EXAMINATION(Theory and Practical) = Techniques for preparation of me Understanding about various instr Preparing measured drawings of s Levelling : Equipment used, princi	Author Salvadori (L=2, S=0, W=2) = 50 = 50(25+25) asured drawings and setting ruments used for surveying, urveyed area and buildings. oles and practice.	CREDITS = 02 CONTACT HOURS =04 ng out buildings on site chain survey and compass survey.		
REFERENCES: Sr.No. 01. AR 2206 SU INTERNAL AS UNIVERSITY I Focus :	discussed. Title Fundamentals of Structures URVEYING & LEVELLING SESSMENT(TERMWORK/EXERCISE) EXAMINATION(Theory and Practical) = Techniques for preparation of me Understanding about various instr Preparing measured drawings of s Levelling : Equipment used, princi Taking vertical and horizontal me	Author Salvadori (L=2, S=0, W=2) = 50 = 50(25+25) asured drawings and setting unveyed area and buildings. oles and practice. asurements on plain and comparison	CREDITS = 02 CONTACT HOURS =04 ng out buildings on site chain survey and compass survey.		
REFERENCES: Sr.No. 01. AR 2206 SU INTERNAL AS UNIVERSITY I Focus :	discussed. Title Fundamentals of Structures URVEYING & LEVELLING SESSMENT(TERMWORK/EXERCISE) EXAMINATION(Theory and Practical) = Techniques for preparation of me Understanding about various instr Preparing measured drawings of s Levelling : Equipment used, princip Taking vertical and horizontal me mapping contours and site profiles	Author Salvadori (L=2, S=0, W=2) = 50 = 50(25+25) asured drawings and setting unveyed area and buildings. oles and practice. asurements on plain and comparison	CREDITS = 02 CONTACT HOURS =04 ng out buildings on site chain survey and compass survey.		
REFERENCES: Sr.No. 01. AR 2206 SU INTERNAL AS UNIVERSITY I Focus : Content :	discussed. Title Fundamentals of Structures URVEYING & LEVELLING SESSMENT(TERMWORK/EXERCISE) EXAMINATION(Theory and Practical) = Techniques for preparation of me Understanding about various instr Preparing measured drawings of s Levelling : Equipment used, princip Taking vertical and horizontal me mapping contours and site profiles Setting out of buildings on a site.	Author Salvadori (L=2, S=0, W=2) = 50 = 50(25+25) asured drawings and setting ruments used for surveying, urveyed area and buildings. oles and practice. asurements on plain and cost of setc.	CREDITS = 02 CONTACT HOURS =04 ng out buildings on site chain survey and compass survey.		
REFERENCES: Sr.No. 01. AR 2206 SU INTERNAL AS UNIVERSITY I Focus :	discussed. Title Fundamentals of Structures URVEYING & LEVELLING SESSMENT(TERMWORK/EXERCISE) EXAMINATION(Theory and Practical) = Techniques for preparation of me Understanding about various instr Preparing measured drawings of s Levelling : Equipment used, princip Taking vertical and horizontal me mapping contours and site profile Setting out of buildings on a site. Practical demonstration and docu	Author Salvadori (L=2, S=0, W=2) = 50 = 50(25+25) asured drawings and settin uments used for surveying, urveyed area and buildings. oles and practice. asurements on plain and co s etc. mented site work is a mustice	CREDITS = 02 CONTACT HOURS =04 ng out buildings on site chain survey and compass survey.		
REFERENCES: Sr.No. 01. AR 2206 SL INTERNAL AS UNIVERSITY E Focus : Content :	discussed. Title Fundamentals of Structures URVEYING & LEVELLING SESSMENT(TERMWORK/EXERCISE) EXAMINATION(Theory and Practical) = Techniques for preparation of me Understanding about various instr Preparing measured drawings of s Levelling : Equipment used, princip Taking vertical and horizontal me mapping contours and site profiles Setting out of buildings on a site. Practical demonstration and docu of all relevant instruments, in ac	Author Salvadori (L=2, S=0, W=2) = 50 = 50(25+25) asured drawings and settin uments used for surveying, urveyed area and buildings. oles and practice. asurements on plain and co s etc. mented site work is a mustice	CREDITS = 02 CONTACT HOURS =04 ng out buildings on site chain survey and compass survey.		
REFERENCES: Sr.No. 01. AR 2206 SL INTERNAL AS UNIVERSITY I Focus : Content : Method : REFERENCES:	discussed. Title Fundamentals of Structures JRVEYING & LEVELLING SESSMENT(TERMWORK/EXERCISE) EXAMINATION(Theory and Practical) = Techniques for preparation of me Understanding about various instr Preparing measured drawings of s Levelling : Equipment used, princip Taking vertical and horizontal me mapping contours and site profiles Setting out of buildings on a site. Practical demonstration and docu of all relevant instruments, in action	Author Salvadori (L=2, S=0, W=2) = 50 = 50(25+25) basured drawings and setting unveyed area and buildings. oles and practice. asurements on plain and consistence. astronometers on the base dition to lectures on the base	CREDITS = 02 CONTACT HOURS =04 ng out buildings on site chain survey and compass survey.		
REFERENCES: Sr.No. 01. AR 2206 SL INTERNAL AS UNIVERSITY F Focus : Content : Method : REFERENCES: Sr.No.	discussed. Title Fundamentals of Structures URVEYING & LEVELLING SESSMENT(TERMWORK/EXERCISE) EXAMINATION(Theory and Practical) = Techniques for preparation of me Understanding about various instr Preparing measured drawings of s Levelling : Equipment used, princip Taking vertical and horizontal me mapping contours and site profiles Setting out of buildings on a site. Practical demonstration and docu of all relevant instruments, in ac	Author Salvadori (L=2, S=0, W=2) = 50 = 50(25+25) asured drawings and setting unveyed area and buildings. oles and practice. asurements on plain and construction s etc. mented site work is a must dition to lectures on the base Author	CREDITS = 02 CONTACT HOURS =04 ng out buildings on site chain survey and compass survey. ontoured sites, calculation of areas, t to familiarise students with use sic concepts and theory.		
REFERENCES: Sr.No. 01. AR 2206 SL INTERNAL AS UNIVERSITY F Focus : Content : Method : REFERENCES:	discussed. Title Fundamentals of Structures JRVEYING & LEVELLING SESSMENT(TERMWORK/EXERCISE) EXAMINATION(Theory and Practical) = Techniques for preparation of me Understanding about various instr Preparing measured drawings of s Levelling : Equipment used, princip Taking vertical and horizontal me mapping contours and site profiles Setting out of buildings on a site. Practical demonstration and docu of all relevant instruments, in action	Author Salvadori (L=2, S=0, W=2) = 50 = 50(25+25) basured drawings and setting unveyed area and buildings. oles and practice. asurements on plain and consistence. astronometers on the base dition to lectures on the base	CREDITS = 02 CONTACT HOURS =04 ng out buildings on site chain survey and compass survey. ontoured sites, calculation of areas, t to familiarise students with use sic concepts and theory.		

DETAILED SYLLABUS FOR 5-YEAR BARHELOR OF ARCHITECTURE PROGRAM

03.	Surveying & Levelling	Rangwala		
05.		nangwala		
AR 2207 ENG		(L2, S=0, W=0)	CREDITS =01	
INTERNAL ASS	ESSMENT(TERM WORK /ASSIGNMENT		CONTART HRS/WK= 02	
UNIVERSITY EX	-	= 00		
Focus :	Spoken English			
Content :	Reading Fluency : Introduction; Rea	ding strategies; Techniques	of Reading	
	Developing Reading Comprehensior	1	-	
	Writing : Mastering the final skill: P	aragraphs writing; Business	letters ;Report / MOM Writing ;	
	E-mail etiquette ;Telephone convers	sation		
Method :	Demonstration and practicals			
REFERENCES:	· · · ·			
Sr.No.	Title	Author		
1	Aasaan Angreji	Nagendra Vija	ау	
AE 2208 ELEC	TIVES -II	(L=0, S=0, W=3)	CREDITS =02	
INTERNAL ASS	ESSMENT(TERM WORK /ASSIGNMENT	'S)=100	CONTART HRS/WK= 03	
Focus :	To help students exploring their a	aptitudes and in developir	ng skills in any related field like	
	painting, sculpture, sketching ceran	nic work, photography etc.		
Content :	A number of subjects shall be offered depending on faculty availability.			
	Students may register for any one of the offered courses for the semester.			
	Courses that may be offered from time to time :			
	AE 2208/1 - Painting			
	AE 2208/2 - Photography			
	AE 2208/3 - Pottery & Ceramic			
	AE 2208/4 - Sculpture			
	AE 2208/5 - Digital Architectural Pre	sentation		
	AE 2208/6 - Performing Arts			
	AE 2208/7 - Calligraphy			
	AE 2208/8 - Graphic Design			
	AE 2208/9 - Textile			
	AE 2208/10-Print Making			
Method :	Portfolio and Project Submission.			
	D. Arab II			
AR 2301 DES	IGN STUDIO - III	: SEMESTER III (L=0, S=09, W=0)	CREDITS = 06	
	ESSMENT(T.W./PERIODIC REVIEW)	= 50	CONTACT HRS/WK = 09	
	AMINATION (JURY/TIME PROBLEM/			
Focus :	Material and Structure as determina			
	Materials – properties, character.			
Contents:				
Contents:	Basic structural system in various	materials (timber mud b	rick Fabric etc.) Structure as a	
Contents:	Basic structural system in various form giver for various materials.	materials (timber, mud, bi	rick, Fabric etc.) Structure as a	
Projects:	Basic structural system in various form giver for various materials. Project/s in different contexts to ad	• • • •		

DETAILED SYLLABUS FOR 5-YEAR BARHELOR OF ARCHITECTURE PROGRAM

	make a structures.			
Skills :	Preparation of architectural design drawing	s and models.		
	Site Visits, case studies.			
REFERENCES:				
Sr.No.	Title	Author		
01.	Time Saver's Standards	Edited by Joseph De Chicera		
02.	Neufert's Data	Ernst Neufert		
03.	New Metric Handbook	Patricia Tutt		
04.	Architecture: Form, SpARe and Order	Francis D.K. Ching		
AR 2302 BAS	SIC DESIGN & WORKSHOP-III (L=0,S=4,W=3) CREDITS = 05		
	SESSMENT(T.W./PERIODIC REVIEW) = 50	CONTACT HRS/WK = 07		
	XAMINATION(CRIT/TIME PROBLEM/VIVA = 50			
Focus :	Study of Colour on form, as used in manm	ade environment.		
Contents :		position used in a manmade environment using		
	space abstractions in two and three dimens	-		
	Colour as a Form giver to spaces.			
	Colour : Theory and systems, role and effects of colour and texture in spaces.			
	Analysis of space using monochromatic or Achromatic abstractions in Two-Dimension.			
	Behaviour and effects of coloured compositions (enlargement, shrinkage of spaces, emphasis,			
	warmth and coolness etc.). Rythmn, discore	d, Harmony, Golden Section.		
Method :	Model making in various materials as an aid	to design, composition and analysis (use wood,		
	mud, paper, Acrylic, cork, etc.). Composition	n through paintings.		
REFERENCES:				
Sr. No.	Title	Author		
01.	Architecture: Form, Space & Order	Francis D. K. Ching		
02.	Visual Studies	Frank M.Yung		
03.	Art of Seeing	Paul Zelenski		
AR 2303 BUI	LDING TECHNOLOGY & MATERIALS-III	(L=2, S=3, W=0) CREDITS = 04		
	SESSMENT(TERMWORK/EXERCISES) =50	CONTACT HRS/WK = 05		
	XAMINATION (CRIT/TIME PROBLEM/VIVA) =50			
Focus :		uctural Materials, Construction & erection process.		
Contents:				
contento.	Research and Development of newer Materials and their use in Building Construction. Building Elements made out of wood, steel, PVC, aluminium etc.			
	Various types of doors and windows (Wooden , steel and Aluminium), including treatment of			
	sills, lintels etc. / m. s. grill, various types of			
	Compound Wall and gates			
Method :		onal / Conventional practices A number of studio		
Method :		onal / Conventional practices. A number of studio		

DETAILED SYLLABUS FOR 5-YEAR BARHELOR OF ARCHITECTURE PROGRAM

AR 2304 HI	STORY OF ARCH-I (L=	2,S=0, W=0)	CREDITS = 02		
	SESSMENT(TERM WORK /EXERCISE) = 50		CONTACT HRS/WK = 02		
UNIVERSITY E	EXAMINATION = 50				
Focus :	A mapping of architectural developments ov				
Contents:	Architecture of ancient civilizations : Har		, Egyptian, Central		
	American, European (Greek & Roman), Chinese.				
	Indian architecture from Harappan period,	-			
	Developments across the subcontinent in t	•			
	Development of Western civilization : Early		•		
	should be on presenting a chronological p		evelopments, with		
NA - 11 - 1	comparison to trends in Indian subcontine				
Method :	Lectures, Case-Studies, analytical exercises		s periods to understand the		
DEFEDENCES	architectural images of various times and	DIACES .			
REFERENCES: Sr.No.	Title	Author			
01.	Indian Architecture (Buddhist & Hindu) – I	Percy Brown			
01.	Indian Architecture (Islamic) – II	Percy Brown			
02.	A History of Architecture	Sir Bannister Fletche	r		
03.	Encylopedia of Architecture	Joseph Gwilt	I		
04.		Joseph Gwitt			
AR 2305 ST	TRUCTURES-II (L=1, S=0,	\\/-2\	CREDITS =02		
	SESSMENT(TERM WORK /ASSIGNMENTS)=50	vv- <i>2</i> j	CONTACT HRS/WK= 03		
	EXAMINATION (THEORY) = 50				
Focus :	Mechanics of Structure				
Contents :	Architectural considerations in material sel	ection for structural use	e. Concept of strength elastic		
	and plastic material.				
	Concept different mechanical properties of material (tensile, compressive, flexure, toughness,				
	and malleability, fatigue with definition)				
		Concept of stress-strain. Types of stress, its importance, elastic limit, yield point, permissible			
	stress, ultimate stress and elongation, con-	cept of stress-strain cur	ve, example based on above		
	topics				
	Analysis of fixed Beam-numerical (Central Point load and Uniformly distributed load by usin				
	formula only and shear force & Bending more	U U			
	Analysis of Continuous Beam (Definition of		-		
	stiffness and Distribution factor,numerical for all end with fixity)-Moment Distribution Method				
		Analysis of Truss –numerical (methods of joint only for small truss, up to 8-10 members) Analysis of Frames – non-sway type Portal frames, reason of sway, difference (No examples only			
		rames, reason of sway,	amerence (No examples only		
	concept)	arabolic Arch (anhursas	tion at cunnorts)		
	Types of Arch, and analysis of three hinges p				
	Concept and importance of deflection in des	igh of structures, (NO ex	annulesi		
Mathe	Mainhu la sture bass of illustrations 0	tudios Turc/sutisms			
Method :	Mainly lecture-based, illustrations & case s discussed.	tudies. Type/options ar			

DETAILED SYLLABUS FOR 5-YEAR BARHELOR OF ARCHITECTURE PROGRAM

AR 2306 CL	MATE AND BUILDING	(L=2, S=0, W=0)	CREDITS =02
INTERNAL AS	SESSMENT(TERM WORK / ASSIGNMENT	TS)=50	CONTACT HRS/WK= 02
UNIVERSITY I	EXAMINATION (THEORY)	= 50	
Focus :	Built Environment & Climate		
Contents:	Climate – Constituent elements, Clas	ssification of tropical climati	c zones.
	Micro & Macro climate.		
	Thermal comfort & principles of The	-	
	Ventilation – Air movement & fenest		
	Traditional House Form & Settlemen		climates; vernacular architecture
	Design Tools – Mahoney Tables, Sun	<u> </u>	
	Day lighting – components, architect		day light; control of glare.
Method :	Exercises to enhance understanding	•	
	Application of concepts in design wo		
	Time problem to address design issu	es from climatology point o	f view.
References:			
Sr.No.	Title	Author	
01.	Manual of Tropical Housing	Otto Koenigsbe	rger
02.	Design Primer for Hot Climate	Allan Konya	
03.	Design with Climate	Victor Olgyay	
04.	Man, Climate & Architecture	B Givoni	
05.	Climatic Building Design	Donald Watson	
06.	Building in Hot Climates	Building Resear	ch Establishment
AR 2307 CA	•), S=0, W=3)	CREDITS =02
	SESSMENT(TERM WORK /ASSIGNMENT	-	CONTACT HRS/WK= 03
	EXAMINATION (PRARTICAL)	= 50	
Focus :	Fundamentals of Computer and gett		
Contents:	Fundamentals of Computer, termino		s operating systems; Terminology
	of Windows; Introduction to Autoca		
	Creating Drawings: Line, Circle, rectangle, Polygon, Arc commands		
	Modifying Drawings: Move, copy, offset, mirror, trim, extend etc. commands Drawing Tools: Using co-ordinate system, polar and ortho dynamic Input, object snap etc.		
		· ·	
	Dimensioning and Text: Creating sin	igle line text and multiline te	ext.
Method :	Practice in Computer Lab		
	ECTIVES-III (L=0, S=0	· · · ·	CREDITS =02
	SESSMENT(TERM WORK /ASSIGNMENTS/POI		CONTACT HRS/WK= 04
Focus :	To help students in exploring thei		ing skills in any related field like
• • •	painting, sculpture, sketching ceram		
Contents :	A number of subjects shall be offere		-
	Students may register for any one of		e semester.
	Courses that may be offered from tir	me to time :	
	AE 2308/1 – Painting (Oil)		

DETAILED SYLLABUS FOR 5-YEAR BARHELOR OF ARCHITECTURE PROGRAM

	AE 2308/2 - Photography			
	AE 2308/3 - Pottery & Ceramic			
	AE 2308/4 - Sculpture			
	AE 2308/5 – Bamboo work			
	AE 2308/6 - Performing Arts			
	AE 2308/7 - Calligraphy			
		AE 2308/8 - Graphic Design		
		AE 2308/8 - Graphic Design AE 2308/9 - Textile		
	AE 2308/10-Print Making			
Method :				
	B.Arch-II: SI	EMESTER IV		
AR 2400	RELATED STUDY PROGRAMME	CREDITS = 02		
INTERNAL	ASSESSMENT (TERM WORK) =100			
Focus		neasured drawings, reading of history, morphological		
	development etc			
Content	Select a small area or locality for doc	umentation through measured drawings, observations,		
	dialogues etc fir the purpose of designin	g in the physical context.		
40.2404				
AR 2401	•	0,S=9,W=0) CREDITS =06		
	ASSESSMENT (TERM WORK) =5			
	TY EXAMINATION (CRIT/TIME PROBLEM/ VIVA) =5			
Focus :	Analysis of context as a determinant of A			
		ce to climate, material , social & cultural context, physical		
Contonto	environment			
Contents	, ,	ciploc		
	Traditional design and construction prin	cipies		
Duciente	Issues of modernity and tradition			
Projects :				
	•	project/s of different nature at level of residence & context of a traditional settlement. Dwelling cluster		
		small community). Work done in the Related Study		
		f traditional settlement may be used as the context.		
	с			
Skills :	Interior design may be included as part	ng / traditional settlements; programmed and un-		
SKIIIS :	-	chitectural graphic techniques and model making in		
	various media must be applied.	chitectural graphic techniques and model making in		
REFERENC	•••			
Sr.No.	Title	Author		
01.	Design Strategies in Architecture	Edited by Geoffrey Baker		
01.	Responsive Environment	Cutler & Cutler		
02.	· · ·			
	A Pattern Language	Christopher Alexander		
04.	Scale in Architecture	Frank Orr		

DETAILED SYLLABUS FOR 5-YEAR BARHELOR OF ARCHITECTURE PROGRAM

AR 2402 B/	ASIC DESIGN & WORKSHOP-IV	(L=0, S=3,W=3)	CREDITS =04	
INTERNAL AS	SESSMENT(EXERCISES) = 50		CONTART HRS/WK =06	
UNIVERSITY E	EXAMINATION = 50			
Focus :	Exercises on abstract concepts and in	deas in design.		
Content :	The design process and role of abs express ideas.	tract concepts and ideas as	an ordering mechanism to	
	Symbolism and communication, iden	tity, character and imageabilit	v	
	Exploring environmental qualities like light and colour, texture & scale and its usa expressing design concepts.			
Method :		To explore and analyze above aspects for selected architectural projects.		
	To abstract design work to help ex	•	-	
REFERENCES:		· · · ·		
Sr. No.	Title	Author		
01.	Visual Studies	Frank M.Yung		
02.	Architecture: Form Space & Order	Francis D.K.Ching		
03.	Art of Seeing	Paul Zelenski		
		•		
AR 2403 BL	JILDING TECHNOLOGY & MATERIALS-IV	(L=2,S=3, W=0)	CREDITS =04	
	JILDING TECHNOLOGY & MATERIALS-IV SESSMENT(TERM WORK /EXERCISES) = 5		CREDITS =04 CONTACT HRS/WK = 05	
INTERNAL AS				
INTERNAL AS	SESSMENT(TERM WORK /EXERCISES) = 5	0 components, their place	CONTACT HRS/WK = 05	
INTERNAL AS UNIVERSITY	SESSMENT(TERM WORK /EXERCISES) = 5EXAMINATION= 50Understanding of various building	o components, their place aterial use.	CONTACT HRS/WK = 05 and composition within the	
INTERNAL AS UNIVERSITY Focus :	SESSMENT(TERM WORK /EXERCISES) = 5EXAMINATION= 50Understanding of various building systems, possibilities of different matrix	o components, their place aterial use. les of various construction Tec e, Double and Upper and Mez	CONTACT HRS/WK = 05 and composition within the chnology & their applications. zanine and Floorings	
INTERNAL AS UNIVERSITY Focus :	SESSMENT(TERM WORK /EXERCISES) = 5 EXAMINATION = 50 Understanding of various building systems, possibilities of different may understanding principles & possibilities Construction of Wooden Floor- Single Flooring materials-wood, mud, brick	o components, their place aterial use. les of various construction Tec e, Double and Upper and Mez	CONTACT HRS/WK = 05 and composition within the chnology & their applications. zanine and Floorings	
INTERNAL AS UNIVERSITY	SESSMENT(TERM WORK /EXERCISES) = 5 EXAMINATION = 50 Understanding of various building systems, possibilities of different may understanding principles & possibilities Construction of Wooden Floor- Single Flooring materials-wood, mud, brick material	o components, their place aterial use. es of various construction Tec e, Double and Upper and Mez , steel, cement, stone etc. –S	CONTACT HRS/WK = 05 and composition within the chnology & their applications. zanine and Floorings selection criteria for choice of	
INTERNAL AS UNIVERSITY Focus :	SESSMENT(TERM WORK /EXERCISES) = 5 EXAMINATION = 50 Understanding of various building systems, possibilities of different may understanding principles & possibilit Construction of Wooden Floor- Single Flooring materials-wood, mud, brick material Staircase, Stairs, Steps, Ramps.	o components, their place aterial use. es of various construction Tec e, Double and Upper and Mez , steel, cement, stone etc. –S	CONTACT HRS/WK = 05 and composition within the chnology & their applications. zanine and Floorings selection criteria for choice of	
INTERNAL AS UNIVERSITY Focus :	SESSMENT(TERM WORK /EXERCISES) = 5 EXAMINATION = 50 Understanding of various building systems, possibilities of different may understanding principles & possibilities Construction of Wooden Floor- Single Flooring materials-wood, mud, brick material Staircase, Stairs, Steps, Ramps. Wooden roof (Upper Floor and pitched)	o components, their place aterial use. es of various construction Tec e, Double and Upper and Mez , steel, cement, stone etc. –S ed roof-truss types) constructi	CONTACT HRS/WK = 05 and composition within the chnology & their applications. zanine and Floorings selection criteria for choice of	
INTERNAL AS UNIVERSITY Focus : Content :	SESSMENT(TERM WORK /EXERCISES) = 5 EXAMINATION = 50 Understanding of various building systems, possibilities of different may understanding principles & possibilities Construction of Wooden Floor- Single Flooring materials-wood, mud, brick material Staircase, Stairs, Steps, Ramps. Wooden roof (Upper Floor and pitche Retaining walls, basement	o components, their place aterial use. es of various construction Tec e, Double and Upper and Mez , steel, cement, stone etc. –S ed roof-truss types) constructi maintained.	CONTACT HRS/WK = 05 and composition within the chnology & their applications. zanine and Floorings selection criteria for choice of	
INTERNAL AS UNIVERSITY Focus : Content :	SESSMENT(TERM WORK /EXERCISES) = 5 EXAMINATION = 50 Understanding of various building systems, possibilities of different may understanding principles & possibilit Construction of Wooden Floor- Single Flooring materials-wood, mud, brick material Staircase, Stairs, Steps, Ramps. Wooden roof (Upper Floor and pitche Retaining walls, basement Market survey & Resource file to be particular	o components, their place aterial use. es of various construction Tec e, Double and Upper and Mez , steel, cement, stone etc. –S ed roof-truss types) constructi maintained.	CONTACT HRS/WK = 05 and composition within the chnology & their applications. zanine and Floorings selection criteria for choice of	
INTERNAL AS UNIVERSITY Focus : Content :	SESSMENT(TERM WORK /EXERCISES) = 5 EXAMINATION = 50 Understanding of various building systems, possibilities of different may understanding principles & possibilities Construction of Wooden Floor- Single Flooring materials-wood, mud, brick material Staircase, Stairs, Steps, Ramps. Wooden roof (Upper Floor and pitche Retaining walls, basement Market survey & Resource file to be a Conventional practices, documentati Case studies & Studio exercise	o components, their place aterial use. es of various construction Tec e, Double and Upper and Mez , steel, cement, stone etc. –S ed roof-truss types) constructi maintained.	CONTACT HRS/WK = 05 and composition within the chnology & their applications. zanine and Floorings selection criteria for choice of	
INTERNAL AS UNIVERSITY Focus : Content : Method :	SESSMENT(TERM WORK /EXERCISES) = 5 EXAMINATION = 50 Understanding of various building systems, possibilities of different may understanding principles & possibilities Construction of Wooden Floor- Single Flooring materials-wood, mud, brick material Staircase, Stairs, Steps, Ramps. Wooden roof (Upper Floor and pitche Retaining walls, basement Market survey & Resource file to be a Conventional practices, documentati Case studies & Studio exercise	o components, their place aterial use. es of various construction Tec e, Double and Upper and Mez , steel, cement, stone etc. –S ed roof-truss types) constructi maintained.	CONTACT HRS/WK = 05 and composition within the chnology & their applications. zanine and Floorings selection criteria for choice of	
INTERNAL AS UNIVERSITY Focus : Content : Method : REFERENCES:	SESSMENT(TERM WORK /EXERCISES) = 5 EXAMINATION = 50 Understanding of various building systems, possibilities of different may understanding principles & possibilities Construction of Wooden Floor- Single Flooring materials-wood, mud, brick material Staircase, Stairs, Steps, Ramps. Wooden roof (Upper Floor and pitche Retaining walls, basement Market survey & Resource file to be a Conventional practices, documentati Case studies & Studio exercise Title Construction of Buildings – Volume –	0 components, their place aterial use. des of various construction Tech e, Double and Upper and Mez aterial, cement, stone etcS ed roof-truss types) construction maintained. on. Author II R. Barry	CONTACT HRS/WK = 05 and composition within the chnology & their applications. zanine and Floorings selection criteria for choice of	
INTERNAL AS UNIVERSITY Focus : Content : Method : REFERENCES: Sr. No.	SESSMENT(TERM WORK /EXERCISES) = 5 EXAMINATION = 50 Understanding of various building systems, possibilities of different may understanding principles & possibilities Construction of Wooden Floor- Single Flooring materials-wood, mud, brick material Staircase, Stairs, Steps, Ramps. Wooden roof (Upper Floor and pitche Retaining walls, basement Market survey & Resource file to be n Conventional practices, documentati Case studies & Studio exercise Title	0 components, their place aterial use. des of various construction Tech e, Double and Upper and Mez aterial, cement, stone etcS ed roof-truss types) construction maintained. on. Author II R. Barry	CONTACT HRS/WK = 05 and composition within the chnology & their applications. zanine and Floorings selection criteria for choice of	

DETAILED SYLLABUS FOR 5-YEAR BARHELOR OF ARCHITECTURE PROGRAM

AR 2404 STR	RUCTURES-III (L=2,S=0,W=2)	CREDITS =03	
INTERNAL AS	SSESSMENT(TERM WORK /EXERCISES) = 50	CONTACT HRS/WK = 04	
UNIVERSITY	EXAMINATION = 50		
Focus :	Understanding Reinforced Concrete structures		
Content :	Understanding concrete structures		
	Understanding structural drawings		
	Use of code of special practice for R. C. C. members (Indian Standards IS 456-2000) R. C. C. STRUCTURES: R. C. C. Theory, Limit State Method, Definition of Permissible stre		
	balanced section, under reinforced and over-reinforced section.		
	Analysis and Design of beam (Singly and Double), Concept of Flanged beam		
	Axially and eccentrically loaded columns, types	of columns. Design of axially loaded columns &	
	reinforcement detailing.		
		ncept of continuous slab, R. C. C. Staircase Design	
	only waist slab type.		
	Application of thumb rules for beams, columns,	- · ·	
		other factors while recommending type of	
		ic footings, Design of R. C. C. Footing for axial	
	loads.		
		— 1 1	
Method :	-	es. Type/options and Layout in studio project is	
Method :	Mainly lecture-based, illustrations & case studied discussed.	es. Type/options and Layout in studio project is	
	discussed.		
AR 2405 H	discussed.	2,S=0,W=0) CREDITS = 02	
AR 2405 H INTERNAL AS	discussed.		
AR 2405 H INTERNAL AS	discussed. IISTORY OF ARCHITECTURE-II (L=2 SSESSMENT(TERM WORK /EXERCISES) = 50 EXAMINATION = 50	2,S=0,W=0) CREDITS = 02 CONTACT HRS/WK = 02	
AR 2405 H INTERNAL A UNIVERSITY	discussed. IISTORY OF ARCHITECTURE-II (L=2 SSESSMENT(TERM WORK /EXERCISES) = 50 EXAMINATION = 50		
AR 2405 H INTERNAL A UNIVERSITY	discussed. IISTORY OF ARCHITECTURE-II (L=2 SSESSMENT(TERM WORK /EXERCISES) = 50 EXAMINATION = 50 To familiarize students with architectural dev 19 th Century A.D.	2,S=0,W=0) CREDITS = 02 CONTACT HRS/WK = 02 velopments since about 11th century AD to	
AR 2405 H INTERNAL A UNIVERSITY Focus :	discussed. IISTORY OF ARCHITECTURE-II (L=2 SSESSMENT(TERM WORK /EXERCISES) = 50 EXAMINATION = 50 To familiarize students with architectural dev 19 th Century A.D. Indian Architecture after the introduction of I Islamic period.	2,S=0,W=0) CREDITS = 02 CONTACT HRS/WK = 02 relopments since about 11th century AD to slamic influences, various regional styles during	
AR 2405 H INTERNAL A UNIVERSITY Focus :	discussed. ISTORY OF ARCHITECTURE-II (L=2) SSESSMENT(TERM WORK /EXERCISES) = 50 EXAMINATION = 50 To familiarize students with architectural dev 19 th Century A.D. Indian Architecture after the introduction of I Islamic period. Colonial architecture in India- Imported styles ar	2,S=0,W=0) CONTACT HRS/WK = 02 velopments since about 11th century AD to slamic influences, various regional styles during nd trends.	
AR 2405 H INTERNAL AS UNIVERSITY Focus : Content :	discussed. IISTORY OF ARCHITECTURE-II (L=2) SSESSMENT(TERM WORK /EXERCISES) = 50 EXAMINATION = 50 To familiarize students with architectural dev 19 th Century A.D. Indian Architecture after the introduction of I Islamic period. Colonial architecture in India- Imported styles and Developments in Europe after the Medieval period	2,S=0,W=0) CREDITS = 02 CONTACT HRS/WK = 02 velopments since about 11th century AD to slamic influences, various regional styles during nd trends. iod- The Renaissance, Baroque etc.	
AR 2405 H INTERNAL A UNIVERSITY Focus :	discussed. IISTORY OF ARCHITECTURE-II (L=2 SSESSMENT(TERM WORK /EXERCISES) = 50 EXAMINATION = 50 To familiarize students with architectural dev 19 th Century A.D. Indian Architecture after the introduction of I Islamic period. Colonial architecture in India- Imported styles a Developments in Europe after the Medieval peri Lectures, Case-Studies, analytical exercises on b	2,S=0,W=0) CREDITS = 02 CONTACT HRS/WK = 02 velopments since about 11th century AD to slamic influences, various regional styles during nd trends. iod- The Renaissance, Baroque etc.	
AR 2405 H INTERNAL AS UNIVERSITY Focus : Content : Method :	discussed. IISTORY OF ARCHITECTURE-II (L=2 SSESSMENT(TERM WORK /EXERCISES) = 50 EXAMINATION = 50 To familiarize students with architectural dev 19 th Century A.D. Indian Architecture after the introduction of I Islamic period. Colonial architecture in India- Imported styles a Developments in Europe after the Medieval peri Lectures, Case-Studies, analytical exercises on b of various times and places.	2,S=0,W=0) CREDITS = 02 CONTACT HRS/WK = 02 velopments since about 11th century AD to slamic influences, various regional styles during nd trends. iod- The Renaissance, Baroque etc.	
AR 2405 H INTERNAL AS UNIVERSITY Focus : Content :	discussed. IISTORY OF ARCHITECTURE-II (L=2 SSESSMENT(TERM WORK /EXERCISES) = 50 EXAMINATION = 50 To familiarize students with architectural dev 19 th Century A.D. Indian Architecture after the introduction of I Islamic period. Colonial architecture in India- Imported styles an Developments in Europe after the Medieval peri Lectures, Case-Studies, analytical exercises on b of various times and places.	2,S=0,W=0) CREDITS = 02 CONTACT HRS/WK = 02 velopments since about 11th century AD to slamic influences, various regional styles during nd trends. iod- The Renaissance, Baroque etc. wilt form to understand the architectural images	
AR 2405 H INTERNAL AS UNIVERSITY Focus : Content : Method : REFERENCESS Sr.No.	discussed. IISTORY OF ARCHITECTURE-II (L=2 SSESSMENT(TERM WORK /EXERCISES) = 50 EXAMINATION = 50 To familiarize students with architectural dev 19 th Century A.D. Indian Architecture after the introduction of I Islamic period. Colonial architecture in India- Imported styles and Developments in Europe after the Medieval peri Lectures, Case-Studies, analytical exercises on b of various times and places. Title	Z,S=0,W=0) CREDITS = 02 CONTACT HRS/WK = 02 velopments since about 11th century AD to slamic influences, various regional styles during nd trends. iod- The Renaissance, Baroque etc. wilt form to understand the architectural images Author	
AR 2405 H INTERNAL AS UNIVERSITY Focus : Content : Method : REFERENCES	discussed. IISTORY OF ARCHITECTURE-II (L=2 SSESSMENT(TERM WORK /EXERCISES) = 50 EXAMINATION = 50 To familiarize students with architectural dev 19 th Century A.D. Indian Architecture after the introduction of I Islamic period. Colonial architecture in India- Imported styles an Developments in Europe after the Medieval peri Lectures, Case-Studies, analytical exercises on b of various times and places. Title History of Modern Art: Painting,	2,S=0,W=0) CREDITS = 02 CONTACT HRS/WK = 02 velopments since about 11th century AD to slamic influences, various regional styles during nd trends. iod- The Renaissance, Baroque etc. wilt form to understand the architectural images	
AR 2405 H INTERNAL AS UNIVERSITY Focus : Content : Method : REFERENCES: Sr.No. 01.	discussed. IISTORY OF ARCHITECTURE-II (L=2 SSESSMENT(TERM WORK /EXERCISES) = 50 EXAMINATION = 50 To familiarize students with architectural dev 19 th Century A.D. Indian Architecture after the introduction of I Islamic period. Colonial architecture in India- Imported styles an Developments in Europe after the Medieval peri Lectures, Case-Studies, analytical exercises on b of various times and places. Title History of Modern Art: Painting, Sculpture, Architecture	2,S=0,W=0) CREDITS = 02 CONTACT HRS/WK = 02 velopments since about 11th century AD to slamic influences, various regional styles during nd trends. iod- The Renaissance, Baroque etc. nuilt form to understand the architectural images Author H.H. Arnason	
AR 2405 H INTERNAL AS UNIVERSITY Focus : Content : Method : REFERENCESS Sr.No. 01. 02.	discussed. IISTORY OF ARCHITECTURE-II (L=2 SSESSMENT(TERM WORK /EXERCISES) = 50 EXAMINATION = 50 To familiarize students with architectural dev 19 th Century A.D. Indian Architecture after the introduction of I Islamic period. Colonial architecture in India- Imported styles ar Developments in Europe after the Medieval peri Lectures, Case-Studies, analytical exercises on b of various times and places. Title History of Modern Art: Painting, Sculpture, Architecture (Islamic)	2,S=0,W=0) CREDITS = 02 CONTACT HRS/WK = 02 velopments since about 11th century AD to slamic influences, various regional styles during nd trends. iod- The Renaissance, Baroque etc. wilt form to understand the architectural images Author H.H. Arnason Percy Brown	
AR 2405 H INTERNAL AS UNIVERSITY Focus : Content : Method : REFERENCES: Sr.No. 01.	discussed. IISTORY OF ARCHITECTURE-II (L=2 SSESSMENT(TERM WORK /EXERCISES) = 50 EXAMINATION = 50 To familiarize students with architectural dev 19 th Century A.D. Indian Architecture after the introduction of I Islamic period. Colonial architecture in India- Imported styles an Developments in Europe after the Medieval peri Lectures, Case-Studies, analytical exercises on b of various times and places. Title History of Modern Art: Painting, Sculpture, Architecture	2,S=0,W=0) CREDITS = 02 CONTACT HRS/WK = 02 velopments since about 11th century AD to slamic influences, various regional styles during nd trends. iod- The Renaissance, Baroque etc. nuilt form to understand the architectural images Author H.H. Arnason	

DETAILED SYLLABUS FOR 5-YEAR BARHELOR OF ARCHITECTURE PROGRAM

	JILDING SERVICES-I	(L=1, S=2, W=0)	CREDITS = 02		
INTERNAL AS	SESSMENT(TERMWORK/EXERCISE) = 50		CONTACT HRS/WK =03		
UNIVERSITY E	EXAMINATION(Theory) = 50				
Focus :	Building Services - Water Supply and Waste	Disposal.			
Content :	Water Supply - Sources, demand & elem	nents of the system,	layout and design of system,		
	connections with municipal supply, rain wa	nter harvesting systems			
	Lay out for water supply, drainage & rain w	vater system for a unit	(Bungalow, Tenement or Flat)		
	including calculations for storage units e.g.	•			
	Waste disposal - Sullage and sewage. Vario	Waste disposal - Sullage and sewage. Various systems of waste removal and disposal. Fitting of			
	various elements of the system, layout desi	gn			
	Septic Tank – Necessity, Constructional and	•			
	Storm water disposal systems - combined a				
Method :	Basic information to be given in lectures	••			
	survey for materials & rates may be carried		•		
	Preparation of drawings for water supply, of	-			
	a unit showing details of bathrooms, toile	ets kitchen, terrace and	their connection to the house		
	drainage system.				
REFERENCES:					
Sr. No.	Title	Author			
01.	Water Supply & Sanitary Engineering	G.S.Birdie			
02.	Public Health Engineering	Rangwala			
03.	Building Services	F.Halls			
		- 1			
AR 2407 CA		3)	CREDITS =02		
	SESSMENT(TERM WORK /ASSIGNMENTS)=50 EXAMINATION (PRARTICAL) =50		CONTACT HRS/WK= 03		
Focus :	Thorough application of knowledge of 2 D c	drawings.			
Content :	Layer, Block and XRef				
	Creating layers and assigning objects				
	Using layer properties manager				
	Editing object properties				
	Inserting blocks				
	Attaching external references				
	Preparing layout and plotting;				
	Annotation;				
	Hatch, Super hatch				
	Dimension editing				
	Presentation & detail drawing preparation				
	Isometric view				
	Introduction to 3 D Solid modeling				
	Editing and visualizing solids				
Method :	Rendering and presentation Practice in Computer Lab				

DETAILED SYLLABUS FOR 5-YEAR BARHELOR OF ARCHITECTURE PROGRAM

	ECTIVES -II	(L=0, S=0, W=4)	CREDITS =02		
INTERNAL AS	SESSMENT(TERM WORK /ASSIG	GNMENTS)=100	CONTART HRS/WK= 04		
Focus :		oring their aptitudes and in developing	skills in any related field like		
		tching ceramic work, photography etc.			
Content :	-	all be offered depending on faculty availa	•		
		Students may register for any one of the offered courses for the semester.			
	Courses that may be offered from time to time :				
	AE 2408/1 - Painting				
	AE 2408/2 - Photograph	AE 2408/2 - Photography			
	AE 2408/3 - Pottery & Co	eramic			
	AE 2408/4 - Sculpture				
	AE 2408/5 - Digital Archi	itectural Presentation			
	AE 2408/6 - Performing	Arts			
	AE 2408/7 - Calligraphy				
	AE 2408/8 - Graphic Des	sign			
	AE 2408/9 - Textile				
	AE 2408/10-Print Makin	Ig			
Method :	Portfolio and Project Sul	bmission.			
		B.Arch-III: SEMESTER V			
AR 2501 DE	ESIGN STUDIO - V	(L=0, S=012, W=0)	CREDITS = 08		
		(L=0, 3=012, W=0)	CREDITS = 08		
	SESSMENT(T.W./PERIODIC I		CONTACT HRS/WK = 12		
INTERNAL AS		REVIEW) = 50			
INTERNAL AS	SESSMENT(T.W./PERIODIC	REVIEW) = 50 OBLEM/VIVA) = 50			
INTERNAL AS UNIVERSITY E	SESSMENT(T.W./PERIODIC I	REVIEW) = 50 COBLEM/VIVA) = 50 of Institution.			
INTERNAL AS UNIVERSITY E	SESSMENT(T.W./PERIODIC I EXAMINATION (JURY/TIME PR Understanding character Design of Institutional C Organization and disposit	REVIEW) = 50 COBLEM/VIVA) = 50 of Institution. Campus/Complex tion of spaces.	CONTACT HRS/WK = 12		
INTERNAL AS UNIVERSITY E Focus :	SESSMENT(T.W./PERIODIC I EXAMINATION (JURY/TIME PR Understanding character Design of Institutional C Organization and disposit	REVIEW) = 50 COBLEM/VIVA) = 50 of Institution. Campus/Complex	CONTACT HRS/WK = 12		
INTERNAL AS UNIVERSITY E Focus :	SESSMENT(T.W./PERIODIC I EXAMINATION (JURY/TIME PR Understanding character Design of Institutional C Organization and disposit	REVIEW) = 50 COBLEM/VIVA) = 50 of Institution. Campus/Complex tion of spaces. t functional, service and movement areas	CONTACT HRS/WK = 12		
INTERNAL AS UNIVERSITY E Focus :	SESSMENT(T.W./PERIODIC I EXAMINATION (JURY/TIME PR Understanding character Design of Institutional C Organization and disposit Relationship of different	REVIEW) = 50 COBLEM/VIVA) = 50 Tof Institution. Campus/Complex tion of spaces. t functional, service and movement areas circulation routes.	CONTACT HRS/WK = 12		
INTERNAL AS UNIVERSITY E Focus :	SESSMENT(T.W./PERIODIC I EXAMINATION (JURY/TIME PR Understanding character Design of Institutional C Organization and disposit Relationship of different Diversity of user groups,	REVIEW) = 50 OBLEM/VIVA) = 50 of Institution. Campus/Complex tion of spaces. t functional, service and movement areas circulation routes. ent requirements.	CONTACT HRS/WK = 12		
INTERNAL AS UNIVERSITY E Focus :	SESSMENT(T.W./PERIODIC I EXAMINATION (JURY/TIME PR Understanding character Design of Institutional C Organization and disposit Relationship of different Diversity of user groups, User group needs and clie	REVIEW) = 50 OBLEM/VIVA) = 50 of Institution. Campus/Complex tion of spaces. t functional, service and movement areas circulation routes. ent requirements. ate & technology.	CONTACT HRS/WK = 12		
INTERNAL AS UNIVERSITY E Focus :	SESSMENT(T.W./PERIODIC I EXAMINATION (JURY/TIME PR Understanding character Design of Institutional C Organization and disposit Relationship of different Diversity of user groups, User group needs and clie Influence of culture, clim	REVIEW) = 50 OBLEM/VIVA) = 50 of Institution. Campus/Complex tion of spaces. t functional, service and movement areas circulation routes. ent requirements. ate & technology.	CONTACT HRS/WK = 12		
INTERNAL AS UNIVERSITY E Focus :	SESSMENT(T.W./PERIODIC I EXAMINATION (JURY/TIME PR Understanding character Design of Institutional C Organization and disposit Relationship of different Diversity of user groups, User group needs and clie Influence of culture, clim Site planning/layout/zoni	REVIEW) = 50 OBLEM/VIVA) = 50 of Institution. Campus/Complex tion of spaces. t functional, service and movement areas circulation routes. ent requirements. hate & technology. ing/ circulation.	CONTACT HRS/WK = 12		
INTERNAL AS UNIVERSITY E Focus :	SESSMENT(T.W./PERIODIC I EXAMINATION (JURY/TIME PR Understanding character Design of Institutional C Organization and disposit Relationship of different Diversity of user groups, User group needs and clie Influence of culture, clim Site planning/layout/zoni Landscaping.	REVIEW) = 50 COBLEM/VIVA) = 50 Tof Institution. Campus/Complex tion of spaces. t functional, service and movement areas circulation routes. ent requirements. late & technology. ing/ circulation. mage/character	CONTACT HRS/WK = 12		
INTERNAL AS UNIVERSITY E Focus :	SESSMENT(T.W./PERIODIC I EXAMINATION (JURY/TIME PR Understanding character Design of Institutional C Organization and disposit Relationship of different Diversity of user groups, User group needs and clic Influence of culture, clim Site planning/layout/zoni Landscaping. Idea of an Institutional im Ordering theme / idea / c	REVIEW) = 50 COBLEM/VIVA) = 50 Tof Institution. Campus/Complex tion of spaces. t functional, service and movement areas circulation routes. ent requirements. late & technology. ing/ circulation. mage/character	CONTACT HRS/WK = 12		
INTERNAL AS UNIVERSITY E Focus : Contents:	SESSMENT(T.W./PERIODIC I EXAMINATION (JURY/TIME PR Understanding character Design of Institutional C Organization and disposit Relationship of different Diversity of user groups, User group needs and clie Influence of culture, clim Site planning/layout/zoni Landscaping. Idea of an Institutional im Ordering theme / idea / c	REVIEW) = 50 COBLEM/VIVA) = 50 Coblem/VIVA) = 50 To of Institution. Campus/Complex tion of spaces. t functional, service and movement areas circulation routes. ent requirements. ate & technology. ing/ circulation. mage/character concept.	CONTACT HRS/WK = 12		
INTERNAL AS UNIVERSITY E Focus : Contents:	SESSMENT(T.W./PERIODIC I EXAMINATION (JURY/TIME PR Understanding character Design of Institutional C Organization and disposit Relationship of different Diversity of user groups, User group needs and clie Influence of culture, clim Site planning/layout/zoni Landscaping. Idea of an Institutional im Ordering theme / idea / c	REVIEW) = 50 coblem/viva) = 50 cof Institution. Campus/Complex tion of spaces. t functional, service and movement areas circulation routes. ent requirements. late & technology. ing/ circulation. nage/character concept. of medium level complexity with a mix s of case studies of Institutions in difference	CONTACT HRS/WK = 12		
INTERNAL AS UNIVERSITY E Focus : Contents:	SESSMENT(T.W./PERIODIC I EXAMINATION (JURY/TIME PR Understanding character Design of Institutional C Organization and disposit Relationship of different Diversity of user groups, User group needs and clie Influence of culture, clim Site planning/layout/zoni Landscaping. Idea of an Institutional im Ordering theme / idea / c Design of an Institution of Analysis of various types may be done as group wo	REVIEW) = 50 coblem/viva) = 50 cof Institution. Campus/Complex tion of spaces. t functional, service and movement areas circulation routes. ent requirements. late & technology. ing/ circulation. nage/character concept. of medium level complexity with a mix s of case studies of Institutions in difference	CONTACT HRS/WK = 12		
INTERNAL AS UNIVERSITY E Focus : Contents:	SESSMENT(T.W./PERIODIC I EXAMINATION (JURY/TIME PR Understanding character Design of Institutional C Organization and disposit Relationship of different Diversity of user groups, User group needs and clid Influence of culture, clim Site planning/layout/zoni Landscaping. Idea of an Institutional im Ordering theme / idea / c Design of an Institution of Analysis of various types may be done as group wo	REVIEW) = 50 OBLEM/VIVA) = 50 of Institution. Campus/Complex tion of spaces. t functional, service and movement areas circulation routes. ent requirements. ate & technology. ing/ circulation. mage/character concept. of medium level complexity with a mix s of case studies of Institutions in differ ork.	CONTACT HRS/WK = 12		
INTERNAL AS UNIVERSITY E Focus : Contents:	SESSMENT(T.W./PERIODIC I EXAMINATION (JURY/TIME PR Understanding character Design of Institutional C Organization and disposit Relationship of different Diversity of user groups, User group needs and clid Influence of culture, clim Site planning/layout/zoni Landscaping. Idea of an Institutional im Ordering theme / idea / c Design of an Institution of Analysis of various types may be done as group wo	REVIEW) = 50 coBLEM/VIVA) = 50 cof Institution. Campus/Complex tion of spaces. t functional, service and movement areas circulation routes. ent requirements. ate & technology. ing/ circulation. nage/character concept. of medium level complexity with a mix s of case studies of Institutions in difference ork. exping Working Drawings exercise in view.	CONTACT HRS/WK = 12		
INTERNAL AS UNIVERSITY E Focus : Contents: Projects: REFERENCES:	SESSMENT(T.W./PERIODIC I EXAMINATION (JURY/TIME PR Understanding character Design of Institutional C Organization and disposit Relationship of different Diversity of user groups, User group needs and clid Influence of culture, clim Site planning/layout/zoni Landscaping. Idea of an Institutional im Ordering theme / idea / c Design of an Institution of Analysis of various types may be done as group wo Design to be prepared ke NASA Briefs for ANDC or part or full.	REVIEW) = 50 OBLEM/VIVA) = 50 of Institution. Campus/Complex tion of spaces. t functional, service and movement areas circulation routes. ent requirements. hate & technology. ing/ circulation. mage/character concept. of medium level complexity with a mix s of case studies of Institutions in differ ork. eeping Working Drawings exercise in view. r other trophies may be refined to be tak	CONTACT HRS/WK = 12		
INTERNAL AS UNIVERSITY E Focus : Contents: Projects:	SESSMENT(T.W./PERIODIC I EXAMINATION (JURY/TIME PR Understanding character Design of Institutional C Organization and disposit Relationship of different Diversity of user groups, User group needs and cliu Influence of culture, clim Site planning/layout/zoni Landscaping. Idea of an Institutional im Ordering theme / idea / c Design of an Institution of Analysis of various types may be done as group wo Design to be prepared ke NASA Briefs for ANDC or part or full.	REVIEW) = 50 coBLEM/VIVA) = 50 cof Institution. Campus/Complex tion of spaces. t functional, service and movement areas circulation routes. ent requirements. ate & technology. ing/ circulation. nage/character concept. of medium level complexity with a mix s of case studies of Institutions in difference ork. exping Working Drawings exercise in view.	CONTACT HRS/WK = 12		
INTERNAL AS UNIVERSITY E Focus : Contents: Projects: REFERENCES:	SESSMENT(T.W./PERIODIC I EXAMINATION (JURY/TIME PR Understanding character Design of Institutional C Organization and disposit Relationship of different Diversity of user groups, User group needs and clid Influence of culture, clim Site planning/layout/zoni Landscaping. Idea of an Institutional im Ordering theme / idea / c Design of an Institution of Analysis of various types may be done as group wo Design to be prepared ke NASA Briefs for ANDC or part or full.	REVIEW) = 50 OBLEM/VIVA) = 50 of Institution. Campus/Complex tion of spaces. t functional, service and movement areas circulation routes. ent requirements. hate & technology. ing/ circulation. mage/character concept. of medium level complexity with a mix s of case studies of Institutions in differ ork. eeping Working Drawings exercise in view. r other trophies may be refined to be tak	CONTACT HRS/WK = 12 s. s. rent cultures and time periods ten up as studio programmes in		
INTERNAL AS UNIVERSITY E Focus : Contents: Projects: REFERENCES: Sr.No.	SESSMENT(T.W./PERIODIC I EXAMINATION (JURY/TIME PR Understanding character Design of Institutional C Organization and disposit Relationship of different Diversity of user groups, User group needs and cliu Influence of culture, clim Site planning/layout/zoni Landscaping. Idea of an Institutional im Ordering theme / idea / c Design of an Institution of Analysis of various types may be done as group wo Design to be prepared ke NASA Briefs for ANDC or part or full.	REVIEW) = 50 coBLEM/VIVA) = 50 r of Institution. Campus/Complex tion of spaces. t functional, service and movement areas circulation routes. ent requirements. late & technology. ing/ circulation. nage/character concept. of medium level complexity with a mix s of case studies of Institutions in difference ork. eeping Working Drawings exercise in view. r other trophies may be refined to be tak	CONTACT HRS/WK = 12 s. s. rent cultures and time periods ten up as studio programmes in		

DETAILED SYLLABUS FOR 5-YEAR BARHELOR OF ARCHITECTURE PROGRAM

04.	Analysis of Form	Le Corbus	ier - Geoffrey Baker
	BUILDING TECHNOLOGY-V	(L=2,S=3,W=0)	CREDITS = 04
	ASSESSMENT(T.W./PERIODIC REVIEW)		CONTACT HRS/WK = 05
		50	
Focus :	Understanding the behaviour of possibilities, Building elements and		.e. Concrete and steel their various ocesses and products.
Contents Method:	Protection and Safety measures Constructional/Expansion joints Different type of slabs and vaults. Damp proofing & Water proofing, T RCC column foundation - Retaining Conceptual understanding of long Girders, portal frames, catenary and Case studies & documentation of bu Analysis of elements through mode Studio Exercise.	s in building constructi Thermal Insulations, Anti te walls, Raft, Pile foundation span structures, space fr d pneumatic structures, sh uilding elements & structu	on (Fire, Earthquake, lightening ermite treatments n, cantilever, & combined footing rames, Geodesic domes, Virendee ell structures
Sr. No.	Title	Author	
01.	Building Construction	Moorthy	J.
02.	Building Construction	Ramann	
03.	Building Construction	B.C. Pun	
AR 2503	STRUCTURES-IV (L=	:1, S=0, W=2)	CREDITS = 02
	ASSESSMENT(TERMWORK/EXERCISES) TY EXAMINATION (WRITTEN)	=50 =50	CONTACT HRS/WK = 03
Focus :	Understanding Steel Structures		
Contents	Understanding types of joints in ste Types of steel sections and their pro Use of code of special practice for S Introduction to structural steel, Rol design. Design and Detailing of a steel struct Analysis of Tension members, comp Concept of built up beams and colu Concept of lacings, battening & imp Introduction and analysis of footing Conceptual study of general connect connections – column to column co	operties Steel members (Indian Star led steel sections, Criteria cture pression member & flexura imns – recommended uses portance of bracings. gs for steel columns.(Desig ctions – Beam to beam con	for selection of steel sections for Il member. n of Slab base only) inections – Beam to column
Method :	Mainly lecture-based, illustrations discussed.	& case studies. Type/opti	ons and Layout in studio project i

DETAILED SYLLABUS FOR 5-YEAR BARHELOR OF ARCHITECTURE PROGRAM

AR 2504 HIS	FORY OF ARCHITECTURE-III (L=1,S=0, W	/=2) CREDITS = 02	
INTERNAL ASS	ESSMENT(TERM WORK /EXERCISE) =50	CONTACT HRS/WK = 03	
UNIVERSITY EX	AMINATION (WRITTEN) =50		
Focus :	To encourage analytical studies in architectural h earlier semesters.	nistory from the information base provided in	
Contents:	Contemporary developments in Architecture in Ind	dia and world over.	
	Analyzing the roots of the modern movement. Issues of Contextuality, Relevance, identity &		
	meaning of architecture in contemporary cultur	es.	
	Beginning of Modernism – Europe and America; modern movement and the internatio		
	modern masters ;		
	Post modernism & contemporary development.		
Method :	The course should be dealt with as a Semina	ar Course with individual or group seminar	
	presentations on various issues.		
	Guided self-study in an analytical mode should be	emphasized.	
REFERENCES:			
Sr. No.	Title	Author	
01.	History of Architecture	Spiro Kostof	
02. 03.	Architecture and its interpretation	Juan Bonta	
03.	History of Modern Arts : Painting, Sculpture, Architecture	H.H.Arnason	
	Architecture		
AR 2505 ACO	(1=2 = 0 = 0)	CREDITS =02	
AR 2505 ACO		CREDITS =02 CONTACT HRS/WK= 02	
INTERNAL ASS	ESSMENT(TERM WORK /ASSIGNMENTS)=50	CREDITS =02 CONTACT HRS/WK= 02	
INTERNAL ASS	ESSMENT(TERM WORK /ASSIGNMENTS)=50 AMINATION (THEORY) = 50	CONTACT HRS/WK= 02	
INTERNAL ASSI UNIVERSITY EX	ESSMENT(TERM WORK /ASSIGNMENTS)=50	CONTACT HRS/WK= 02 nent in creating comfortable functional spaces.	
INTERNAL ASSI UNIVERSITY EX Focus :	ESSMENT(TERM WORK /ASSIGNMENTS)=50 AMINATION (THEORY) = 50 Understanding sound control as an important elem	CONTACT HRS/WK= 02 nent in creating comfortable functional spaces.	
INTERNAL ASSI UNIVERSITY EX Focus :	ESSMENT(TERM WORK /ASSIGNMENTS)=50 AMINATION (THEORY) = 50 Understanding sound control as an important elem Sound -Properties of Sound , room Acoustics .	CONTACT HRS/WK= 02 nent in creating comfortable functional spaces. Acoustical defects, sound absorbing materials	
INTERNAL ASSI UNIVERSITY EX Focus :	ESSMENT(TERM WORK /ASSIGNMENTS)=50 AMINATION (THEORY) = 50 Understanding sound control as an important elem Sound -Properties of Sound , room Acoustics . and sound proof construction. Reverberation, Reverberation time for speech and Acoustical requirement of various building type.	CONTACT HRS/WK= 02 ment in creating comfortable functional spaces. Acoustical defects, sound absorbing materials music and its calculation.	
INTERNAL ASSI UNIVERSITY EX Focus :	ESSMENT (TERM WORK /ASSIGNMENTS)=50 AMINATION (THEORY) = 50 Understanding sound control as an important elem Sound -Properties of Sound , room Acoustics . and sound proof construction. Reverberation, Reverberation time for speech and Acoustical requirement of various building type. Understanding Auditorium design – defects, ways of	CONTACT HRS/WK= 02 ment in creating comfortable functional spaces. Acoustical defects, sound absorbing materials music and its calculation. of overcoming these defects.	
INTERNAL ASSI UNIVERSITY EX Focus :	SSMENT(TERM WORK /ASSIGNMENTS)=50AMINATION (THEORY)= 50Understanding sound control as an important elemSound -Properties of Sound , room Acoustics .and sound proof construction.Reverberation, Reverberation time for speech andAcoustical requirement of various building type.Understanding Auditorium design – defects, ways ofNoise Control : Means and measures for	CONTACT HRS/WK= 02 ment in creating comfortable functional spaces. Acoustical defects, sound absorbing materials music and its calculation. of overcoming these defects. control, noise insulation, noise control	
INTERNAL ASSI UNIVERSITY EX Focus :	ESSMENT(TERM WORK /ASSIGNMENTS)=50 AMINATION (THEORY) = 50 Understanding sound control as an important elem Sound -Properties of Sound , room Acoustics . and sound proof construction. Reverberation, Reverberation time for speech and Acoustical requirement of various building type. Understanding Auditorium design – defects, ways of Noise Control : Means and measures for requirements, constructional details and performance	CONTACT HRS/WK= 02 ment in creating comfortable functional spaces. Acoustical defects, sound absorbing materials music and its calculation. of overcoming these defects. control, noise insulation, noise control	
INTERNAL ASSI UNIVERSITY EX Focus : Contents :	ESSMENT (TERM WORK /ASSIGNMENTS)=50 AMINATION (THEORY) = 50 Understanding sound control as an important elem Sound -Properties of Sound , room Acoustics . and sound proof construction. Reverberation, Reverberation time for speech and Acoustical requirement of various building type. Understanding Auditorium design – defects, ways of Noise Control : Means and measures for requirements, constructional details and performation Environmental Noise Control	CONTACT HRS/WK= 02 ment in creating comfortable functional spaces. Acoustical defects, sound absorbing materials music and its calculation. of overcoming these defects. control, noise insulation, noise control ance.	
INTERNAL ASSI UNIVERSITY EX Focus :	ESSMENT(TERM WORK /ASSIGNMENTS)=50 AMINATION (THEORY) = 50 Understanding sound control as an important elem Sound -Properties of Sound , room Acoustics . and sound proof construction. Reverberation, Reverberation time for speech and Acoustical requirement of various building type. Understanding Auditorium design – defects, ways of Noise Control : Means and measures for requirements, constructional details and performation Environmental Noise Control Mainly lecture based. Analysis of Live Case Studies	CONTACT HRS/WK= 02 ment in creating comfortable functional spaces. Acoustical defects, sound absorbing materials music and its calculation. of overcoming these defects. control, noise insulation, noise control ance.	
INTERNAL ASSI UNIVERSITY EX Focus : Contents : Method :	ESSMENT (TERM WORK /ASSIGNMENTS)=50 AMINATION (THEORY) = 50 Understanding sound control as an important elem Sound -Properties of Sound , room Acoustics . and sound proof construction. Reverberation, Reverberation time for speech and Acoustical requirement of various building type. Understanding Auditorium design – defects, ways of Noise Control : Means and measures for requirements, constructional details and performation Environmental Noise Control	CONTACT HRS/WK= 02 ment in creating comfortable functional spaces. Acoustical defects, sound absorbing materials music and its calculation. of overcoming these defects. control, noise insulation, noise control ance.	
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INTERNAL ASS UNIVERSITY EX Focus : Contents : Method : REFERENCES: Sr.No.	ESSMENT(TERM WORK /ASSIGNMENTS)=50 AMINATION (THEORY) = 50 Understanding sound control as an important elem Sound -Properties of Sound , room Acoustics . and sound proof construction. Reverberation, Reverberation time for speech and Acoustical requirement of various building type. Understanding Auditorium design – defects, ways of Noise Control : Means and measures for requirements, constructional details and performate Environmental Noise Control Mainly lecture based. Analysis of Live Case Studic conference room, etc.	CONTACT HRS/WK= 02 ment in creating comfortable functional spaces. Acoustical defects, sound absorbing materials music and its calculation. of overcoming these defects. control, noise insulation, noise control ance. ies of Sound spARes like auditorium, theatre, Author	
INTERNAL ASS UNIVERSITY EX Focus : Contents : Method : REFERENCES: Sr.No. 01.	ESSMENT(TERM WORK /ASSIGNMENTS)=50 AMINATION (THEORY) = 50 Understanding sound control as an important elem Sound -Properties of Sound , room Acoustics . and sound proof construction. Reverberation, Reverberation time for speech and Acoustical requirement of various building type. Understanding Auditorium design – defects, ways of Noise Control : Means and measures for requirements, constructional details and performation Environmental Noise Control Mainly lecture based. Analysis of Live Case Studiconference room, etc. Title Environmental Acoustics & Arch. Design	CONTACT HRS/WK= 02 ment in creating comfortable functional spaces. Acoustical defects, sound absorbing materials music and its calculation. of overcoming these defects. control, noise insulation, noise control ance. ies of Sound spARes like auditorium, theatre, Author Leshi L.Dodle	
INTERNAL ASS UNIVERSITY EX Focus : Contents : Method : REFERENCES: Sr.No. 01. 02.	ESSMENT (TERM WORK /ASSIGNMENTS)=50 AMINATION (THEORY) = 50 Understanding sound control as an important elem Sound -Properties of Sound , room Acoustics . and sound proof construction. Reverberation, Reverberation time for speech and Acoustical requirement of various building type. Understanding Auditorium design – defects, ways of Noise Control : Means and measures for requirements, constructional details and performate Environmental Noise Control Mainly lecture based. Analysis of Live Case Stud conference room, etc. Title Image: Architectural Acoustics	CONTACT HRS/WK= 02 ment in creating comfortable functional spaces. Acoustical defects, sound absorbing materials music and its calculation. of overcoming these defects. control, noise insulation, noise control ance. ies of Sound spARes like auditorium, theatre, Author Leshi L.Dodle David Egan	
INTERNAL ASS UNIVERSITY EX Focus : Contents : Method : REFERENCES: Sr.No. 01.	ESSMENT (TERM WORK /ASSIGNMENTS)=50 AMINATION (THEORY) = 50 Understanding sound control as an important elem Sound -Properties of Sound , room Acoustics . and sound proof construction. Reverberation, Reverberation time for speech and Acoustical requirement of various building type. Understanding Auditorium design – defects, ways of Noise Control : Means and measures for requirements, constructional details and performate Environmental Noise Control Mainly lecture based. Analysis of Live Case Stud conference room, etc. Title Image: Architectural Acoustics	CONTACT HRS/WK= 02 ment in creating comfortable functional spaces. Acoustical defects, sound absorbing materials music and its calculation. of overcoming these defects. control, noise insulation, noise control ance. ies of Sound spARes like auditorium, theatre, Author Leshi L.Dodle	

DETAILED SYLLABUS FOR 5-YEAR BARHELOR OF ARCHITECTURE PROGRAM

	UANTITIES AND SPECIFICATIONS (L=2, S=0, W=2)	CREDITS =03		
INTERNAL AS	SSESSMENT(TERM WORK /ASSIGNMENTS)=50	CONTACT HRS/WK= 04		
UNIVERSITY	EXAMINATION (THEORY) = 50			
Focus :	Understanding Quantity Surveying & Estimate prepara	ition.		
Contents :	Specification : Specification of different building it	ems - general specification and detailed		
	Specification.			
	Rate Analysis: Meaning, Importance, Purpose and use, factors affecting rate analysis.			
	Rate analysis of major items of building work. Factors affecting, cost of			
		Work, task work general information regarding S.O.R.		
		e of measurement of all items of work, units		
	of measurement IS 1200.			
	Estimates of different items of work:-			
	* Compound wall.			
	* Small residential building 1 room with verandah.	ath M/C		
	* Small residential building with 2 room kitchen with E * Two storied residential building.	Sati W.C.		
	5	The way/Two way: Slab including centering		
	shuttering & reinforcement.	*R.C.C. work column, flooring, Beam - T Beam, Slab - One way/Two way; Slab including centering,		
	* Steel truss.			
		Brick work: R.C.C.: Wooden items: doors.		
	*Material requirement for above items including Brick work; R.C.C.; Wooden items; doors, windows, Glass.			
	* Measurement Book its entry checking and preparation of Bill etc. standard M.B.			
	Term Work : Over and above the mentioned items, Estimate of Septic Tank, Soak Pit, Sanitary			
	item – Plumbing, Electrification. Rate a	• • • •		
Method :	Lectures, practicals, demonstrations, exercises			
REFERENCES:				
Sr.No.	Title	Author		
01				
01.	Estimation & Valuation	B.N.Dutta		
01. 02.	Estimation & Valuation Estimation & Valuation	Rangwala		
02. 03.	Estimation & Valuation Estimation & Valuation	Rangwala		
02.	Estimation & Valuation Estimation & Valuation	Rangwala		
02. 03. AR 2507 GR	Estimation & Valuation Estimation & Valuation EEN & SMART BUILDING DESIGN CONCEPTS (L=2 SSESSMENT(TERM WORK /ASSIGNMENTS)=50	Rangwala Chakravarti		
02. 03. AR 2507 GR INTERNAL AS UNIVERSITY	Estimation & Valuation Estimation & Valuation EEN & SMART BUILDING DESIGN CONCEPTS (L=2) SSESSMENT(TERM WORK /ASSIGNMENTS)=50 EXAMINATION (THEORY) =50	RangwalaChakravarti2, S=0, W=0)CREDITS =02CONTACT HRS/WK= 02		
02. 03. AR 2507 GR	Estimation & Valuation Estimation & Valuation EEN & SMART BUILDING DESIGN CONCEPTS (L=2) SESSMENT(TERM WORK /ASSIGNMENTS)=50 EXAMINATION (THEORY) =50 Getting acquainted with green concepts in general	RangwalaChakravarti2, S=0, W=0)CREDITS =02CONTACT HRS/WK= 02		
02. 03. AR 2507 GR INTERNAL AS UNIVERSITY Focus :	Estimation & Valuation Estimation & Valuation EEN & SMART BUILDING DESIGN CONCEPTS (L=2) SESSMENT(TERM WORK /ASSIGNMENTS)=50 EXAMINATION (THEORY) =50 Getting acquainted with green concepts in general performance green/energy efficient buildings/sites	Rangwala Chakravarti 2, S=0, W=0) CREDITS =02 CONTACT HRS/WK= 02 I and knowing design strategies for high		
02. 03. AR 2507 GR INTERNAL AS UNIVERSITY	Estimation & Valuation Estimation & Valuation EEN & SMART BUILDING DESIGN CONCEPTS (L=2) SESSMENT(TERM WORK /ASSIGNMENTS)=50 EXAMINATION (THEORY) =50 Getting acquainted with green concepts in general performance green/energy efficient buildings/sites Introduction to sustainability, Green buildings & inte	Rangwala Chakravarti 2, S=0, W=0) CREDITS =02 CONTACT HRS/WK= 02 I and knowing design strategies for high		
02. 03. AR 2507 GR INTERNAL AS UNIVERSITY Focus :	Estimation & Valuation Estimation & Valuation EEN & SMART BUILDING DESIGN CONCEPTS (L=2) SSESSMENT(TERM WORK /ASSIGNMENTS)=50 EXAMINATION (THEORY) =50 Getting acquainted with green concepts in general performance green/energy efficient buildings/sites Introduction to sustainability, Green buildings & inter building construction/industry on environment,	Rangwala Chakravarti 2, S=0, W=0) CREDITS =02 CONTACT HRS/WK= 02 I and knowing design strategies for high lligent buildings, smart buildings, impact of		
02. 03. AR 2507 GR INTERNAL AS UNIVERSITY Focus :	Estimation & Valuation Estimation & Valuation EEN & SMART BUILDING DESIGN CONCEPTS (L=2) SESSMENT(TERM WORK /ASSIGNMENTS)=50 EXAMINATION (THEORY) =50 Getting acquainted with green concepts in general performance green/energy efficient buildings/sites Introduction to sustainability, Green buildings & interbuilding construction/industry on environment, Methods and tools of building assessment, the green	Rangwala Chakravarti 2, S=0, W=0) CREDITS =02 CONTACT HRS/WK= 02 I and knowing design strategies for high Iligent buildings, smart buildings, impact of building process, green rating systems and		
02. 03. AR 2507 GR INTERNAL AS UNIVERSITY Focus :	Estimation & Valuation Estimation & Valuation EEN & SMART BUILDING DESIGN CONCEPTS (L=2) SESSMENT(TERM WORK /ASSIGNMENTS)=50 EXAMINATION (THEORY) =50 Getting acquainted with green concepts in general performance green/energy efficient buildings/sites Introduction to sustainability, Green buildings & inte building construction/industry on environment, Methods and tools of building assessment, the green documentation, site and landscape strategies, building	Rangwala Chakravarti 2, S=0, W=0) CREDITS =02 CONTACT HRS/WK= 02 I and knowing design strategies for high Iligent buildings, smart buildings, impact of building process, green rating systems and ilding energy system strategies, material		
02. 03. AR 2507 GR INTERNAL AS UNIVERSITY Focus :	Estimation & Valuation Estimation & Valuation EEN & SMART BUILDING DESIGN CONCEPTS (L=2) SSESSMENT(TERM WORK /ASSIGNMENTS)=50 EXAMINATION (THEORY) =50 Getting acquainted with green concepts in general performance green/energy efficient buildings/sites Introduction to sustainability, Green buildings & interbuilding construction/industry on environment, Methods and tools of building assessment, the green documentation, site and landscape strategies, bu selection strategies, Indoor environmental quality,	Rangwala Chakravarti 2, S=0, W=0) CREDITS =02 CONTACT HRS/WK= 02 I and knowing design strategies for high Iligent buildings, smart buildings, impact of building process, green rating systems and ilding energy system strategies, material		
02. 03. AR 2507 GR INTERNAL AS UNIVERSITY Focus :	Estimation & Valuation Estimation & Valuation EEN & SMART BUILDING DESIGN CONCEPTS (L=2) SESSMENT(TERM WORK /ASSIGNMENTS)=50 EXAMINATION (THEORY) =50 Getting acquainted with green concepts in general performance green/energy efficient buildings/sites Introduction to sustainability, Green buildings & inte building construction/industry on environment, Methods and tools of building assessment, the green documentation, site and landscape strategies, building	Rangwala Chakravarti 2, S=0, W=0) CREDITS =02 CONTACT HRS/WK= 02 I and knowing design strategies for high Iligent buildings, smart buildings, impact of building process, green rating systems and ilding energy system strategies, material		

DETAILED SYLLABUS FOR 5-YEAR BARHELOR OF ARCHITECTURE PROGRAM

AE 2508 ELE	CTIVES -V	(L=0, S=0, W=4)	CREDITS =02
INTERNAL ASS	SESSMENT(TERM WORK /ASSIGNN	-	CONTACT HRS/WK= 04
Focus :	To help students in explorin	g their aptitudes and in developing	skills in fields of their choice.
Contents :	A number of subjects shall b	e offered depending on faculty avai	lability.
	Students may register for ar	y one of the offered courses for the	semester.
	Courses that may be offered	from time to time :	
	AE 2508/1 – Creative Writin	g	
	AE 2508/2 – Appreciation of	-	
	AE 2508/3 – Sustainable Dev	•	
	AE 2508/4 – Architectural Fu		
	AE 2508/5 – Product Design		
	AE 2508/6 – Sustainable Arc		
	AE 2508/7 – Bio-mimetic Ar	chitecture	
	AE 2508/8 - Advanced Clima	atic design	
	AE 2508/9 – Artificial illumir	nation	
	AE 2508/10-Apprreciation o		
Method :	Portfolio and Project Submis	ssion.	
		B.Arch-III: SEMESTER VI	
AR 2600 RE	LATED STUDY PROGRAMME		CREDITS = 02
INTERNAL ASS	SESSMENT (TERM WORK) =10	0	
Focus	To enhance observation an	d understand detailing of high rise/	typical structures.
Content	Visit/s to site/s to conte	emporary; sketching, constructiona	I details, site planning features
	natural landforms and land	scape	
AD 2001 DI		(1-0.5-14.)/(-0)	
	ESIGN STUDIO - VI	(L=0,S=14,W=0)	CREDITS =10
	SESSMENT (TERM WORK) XAMINATION (CRIT/TIME PRC	=50 BLEM/V/VA) =50	CONTACT HRS/WK =14
Focus :	Architectural Detailing And		
Contents :	Execution drawing systems		
contents.		nethods, architectural working draw	lings
		s, fittings, availability and construct	-
	Integration of building systems and services.		
	Detailed drawings to include all components of building like doors, windows, lifts, staircase		
Projects :	elevators etc.	of provious semaster design	project (part or full) including
FIUJELLS :	-	of previous semester design ns. Additional design project (smal	
	development to complete		in may be taken alongside to
	Full set of working drawing	0	
Skills :			
JKIIIS :	Construction drawings & m		
	specification writing, Comp	outation of qualities & costing.	

DETAILED SYLLABUS FOR 5-YEAR BARHELOR OF ARCHITECTURE PROGRAM

REFERENCES:				
Sr. No.	Title	Author		
01.	Architectural detailing			
02.	Landscape detailing			
03.	Building Construction Illustrated	Francis D.K. Ching	g	
AR2602 SI	TE PLANNING AND LANDSCAPE DESIGN	(L=1, S=3,W=0)	CREDITS =03	
INTERNAL AS	SESSMENT(EXERCISES) = 50		CONTACT HRS/WK =04	
UNIVERSITY E	EXAMINATION = 50			
Focus :	Principles of Landscape design, its techniques	••		
	Understanding Ecology, Ecosystem, environn	ental conservation		
Content :	Ecology, Environment, Components, Ecosys	tem at various levels	s, conservation of natural	
	resources, rainwater harvesting			
	Elements of Landscape: Landforms, plant mat		-	
	Types of Soils, plant materials (trees, shrul			
	flowering rocks and stones, water bodies. Sur	-		
	Historical and contemporary attitudes to land	•		
	Principles of landscape design: surfacing, enc	losure vistas, visual con	ridor, composition of plant	
		and other material, etc.		
	Preparing Landscape design presentation drav)	
Method :	Studio Exercise, Site Visit, Seminar, Presentati			
	Design assignment may be done as part of Stu	dio project.		
REFERENCES:				
Sr. No.	Title	Author		
01.	Site Planning	Kevin Lynch		
02.	Time Savers' Standard for landscape Architects			
03.	Introduction to Landscape Architecture	Michael Laurie		
04.	Landscape Graphics	Van Nostrand		
05.	Plan Graphics	Van Nostrand		
06.	Tropical Garden Plants	Bose & Chaud	hary.	
AR 2603 BL	JILDING TECHNOLOGY - VI (L=2,	S=3, W=0)	CREDITS =04	
	SESSMENT(TERM WORK /EXERCISES) = 50	5-5, 11-01	CONTACT HRS/WK = 05	
	EXAMINATION = 50			
UNIVERSITY				
	Understanding construction process of Inter	or Construction and r	naterial use.	
Focus :	Understanding construction process of Inter		naterial use.	
	Interior Constructional details and selection c		naterial use.	
Focus :	Interior Constructional details and selection of Partitions / Panelling		naterial use.	
Focus :	Interior Constructional details and selection of Partitions / Panelling False Ceilings		naterial use.	
Focus :	Interior Constructional details and selection of Partitions / Panelling False Ceilings Elevators, Escalators		naterial use.	
Focus :	Interior Constructional details and selection of Partitions / Panelling False Ceilings Elevators, Escalators Cabinets and Furniture.		naterial use.	
Focus :	Interior Constructional details and selection of Partitions / Panelling False Ceilings Elevators, Escalators		naterial use.	

DETAILED SYLLABUS FOR 5-YEAR BARHELOR OF ARCHITECTURE PROGRAM

Method	Case Studies Site Visite	Trade Literature Col	ection	
MELIUU		Case Studies, Site Visits, Trade Literature Collection Studio exercises.		
REFERENCES:				
Sr.No.	Title		Author	
01.	Graphic guide to Interi	or Design	Van Nostrand	Publication
02.	Construction for Interio		Ronald Ashcro	
03.	Building construction I		Francs D.K. Ch	ling
				0
AR 2604 STR	UCTURES-V	(L=1,S=0,V	/=2)	CREDITS =02
INTERNAL AS	SESSMENT(TERM WORK /	EXERCISES) = 50		CONTACT HRS/WK = 03
UNIVERSITY	EXAMINATION	= 50		
Focus :	Understanding Comple	x Structures		
	girders. Basic concepts Analysis of sections, St Earthquake forces-Fun Concept of earthquake Philosophy of Earthqua Understanding of Duct Theoretical concepts, folded plates, cable st tanks. Retaining walls, and Steel, RCC box girc	structure: conditions s, Advantages, Materia ress concept, Losses o damentals, causes, typ resistant structure ar ike Resistant design(N ile Detailing of RCC Str specifications and So ructures, shell structu diaphragm, basement lers, plate girders, cast	for adopting of pre s als required, Systems a f pre-stressing bes, parameters d relevant IS Code PEEE-Earthquake Tips) fucture election criteria for st ures, types of shells, ci walls, flat slabs, Grid fl cellated sections, Silos a	tressed concrete beams and and methods of Pre-stressing, tructural system like arches, ircular and rectangular water loor, large span girders in RCC and bunkers
Method :	discussed.	illustrations & case st		nd Layout in studio project is
	UILDING REGULATIONS		(L=1,S=0,W=0)	CREDITS = 01
	SSESSMENT(TERM WORK /	-		CONTACT HRS/WK = 01
	EXAMINATION	= 50	- l:+	
Focus :	Building performance	•	•	uring minimum standards of
Content :	under which Rules and Definitions and explar Planning Authority, Le Margins, Setbacks, Dev General development Industrial Areas, Low c Procedure for securing	Regulations have been nation of various terr ocal Authority, Built- relopment permission requirements and repost Housing and other Development permission	n worked out, National ns like Act, Rules, Re up Area, Building Unit s, occupancy certificate gulations in Gamtal an special structures.	egulation, Development Plan, , FSI / FAR, Plot coverage, e etc. nd Revenue Survey areas, for
Method :	Mainly lecture-based v	/ith illustrations.		

DETAILED SYLLABUS FOR 5-YEAR BARHELOR OF ARCHITECTURE PROGRAM

Sr. No.	Title	Author			
01.	COMPREHENSIVE GDCR	GOVT. PUBLICATION			
01.	BUILDING REGULATIONS (AVKUDA/VUDA)	GOVT. PUBLICATION			
02.	Gujarat Town Planning and Urban Development	GOVT. PUBLICATIONS			
05.	Act 1976	GOVI. PUBLICATIONS			
AR 2606 BI	IILDING ECONOMICS (L=1, S=0, W=	-3) CREDITS = 01			
	SESSMENT(TERMWORK/EXERCISE) = 50 EXAMINATION(Theory) = 50	CONTACT HOURS/WK =02			
Focus :	Understanding economic process in society and th	e economics of building housing etc.			
	Problem of economics, Market economy, Wants v	s Means			
Content :	Basic concepts of the economics, demand and	d supply economic cycle, different types o			
	economics, traditional and modern approaches.				
	Production process, need-demand and supply, eco	· · · · · · · · · · · · · · · · · · ·			
		Economics of building industry, Housing markets, Land Markets, concept of affordability,			
	invisible law theory, price control.				
Method :	Assignments, Article presentation				
REFERENCES :					
Sr. No.	Title	Author			
01.	Building Economics	Rosale T. Ruegg			
AR 2607 BU	ILDING SERVICES-II (L=2, S=0, W	=0) CREDITS =02			
INTERNAL AS	SESSMENT(TERM WORK /ASSIGNMENTS)=50	CONTACT HRS/WK= 02			
	SESSMENT(TERM WORK / ASSIGNMENTS)=50 EXAMINATION(WRITTEN) =50	CONTACT HRS/WK= 02			
	• • • •				
UNIVERSITY I	XAMINATION(WRITTEN) =50	on Systems and Air conditioning.			
UNIVERSITY I	EXAMINATION(WRITTEN) =50 (A) Building Electrical Services, Communicati	on Systems and Air conditioning.			
UNIVERSITY I	XAMINATION(WRITTEN) =50 (A) Building Electrical Services, Communicati (B) Mechanical Circulation, automated system	on Systems and Air conditioning. n, i).			
UNIVERSITY I Focus :	EXAMINATION(WRITTEN) =50 (A) Building Electrical Services, Communicati (B) Mechanical Circulation, automated system (C) Artificial water bodies (SWIMMING POOLS (A) Electrical Services - Power Connection, A	on Systems and Air conditioning. n,). A.C. & D.C., conduits, distribution board and			
UNIVERSITY I Focus :	EXAMINATION(WRITTEN) =50 (A) Building Electrical Services, Communicati (B) Mechanical Circulation, automated system (C) Artificial water bodies (SWIMMING POOLS (A) Electrical Services - Power Connection, A fuses, Wiring System (concealed & open	on Systems and Air conditioning. h, b). A.C. & D.C., conduits, distribution board and h) fixtures, design of layout and symbols fo			
UNIVERSITY I Focus :	EXAMINATION(WRITTEN) =50 (A) Building Electrical Services, Communicati (B) Mechanical Circulation, automated system (C) Artificial water bodies (SWIMMING POOLS (A) Electrical Services - Power Connection, A fuses, Wiring System (concealed & open	on Systems and Air conditioning. h, b). A.C. & D.C., conduits, distribution board and h) fixtures, design of layout and symbols fo			
UNIVERSITY I Focus :	EXAMINATION(WRITTEN) =50 (A) Building Electrical Services, Communicati (B) Mechanical Circulation, automated system (C) Artificial water bodies (SWIMMING POOLS (A) Electrical Services - Power Connection, A fuses, Wiring System (concealed & oper representation. Communication systems	on Systems and Air conditioning. a, b). A.C. & D.C., conduits, distribution board and an) fixtures, design of layout and symbols fo (telephone, fax, EPABX etc.) and their layout			
UNIVERSITY I Focus :	EXAMINATION(WRITTEN) =50 (A) Building Electrical Services, Communicati (B) Mechanical Circulation, automated system (C) Artificial water bodies (SWIMMING POOLS (A) Electrical Services - Power Connection, A fuses, Wiring System (concealed & oper representation. Communication systems and connections. (B) Air conditioning and mechanical ventilat	on Systems and Air conditioning. h, c). A.C. & D.C., conduits, distribution board and h) fixtures, design of layout and symbols fo (telephone, fax, EPABX etc.) and their layout ion, Importance of Air-conditioning, Types o			
UNIVERSITY I Focus :	EXAMINATION(WRITTEN) =50 (A) Building Electrical Services, Communicati (B) Mechanical Circulation, automated system (C) Artificial water bodies (SWIMMING POOLS (A) Electrical Services - Power Connection, A fuses, Wiring System (concealed & open representation. Communication systems and connections. (B) Air conditioning and mechanical ventilat A/C., components of an A.C. system. (C) System	on Systems and Air conditioning. h, h.C. & D.C., conduits, distribution board and h) fixtures, design of layout and symbols fo (telephone, fax, EPABX etc.) and their layout ion, Importance of Air-conditioning, Types o ducting, layout and design drawings. ARSCU			
UNIVERSITY I Focus :	EXAMINATION(WRITTEN) =50 (A) Building Electrical Services, Communicati (B) Mechanical Circulation, automated system (C) Artificial water bodies (SWIMMING POOLS (A) Electrical Services - Power Connection, A fuses, Wiring System (concealed & oper representation. Communication systems and connections. (B) Air conditioning and mechanical ventilat A/C., components of an A.C. system., o treatment. Lifts: General design, Classifi	on Systems and Air conditioning. h, A.C. & D.C., conduits, distribution board and h) fixtures, design of layout and symbols fo (telephone, fax, EPABX etc.) and their layout ion, Importance of Air-conditioning, Types of ducting, layout and design drawings. ARSCUI cation & Installations of Lifts. NBC norms &			
UNIVERSITY I Focus :	EXAMINATION(WRITTEN) =50 (A) Building Electrical Services, Communicati (B) Mechanical Circulation, automated system (C) Artificial water bodies (SWIMMING POOLS (A) Electrical Services - Power Connection, A fuses, Wiring System (concealed & oper representation. Communication systems and connections. (B) Air conditioning and mechanical ventilat A/C., components of an A.C. system., o treatment. Lifts: General design, Classifi guidelines, capsule lift; Escalators Eleval	on Systems and Air conditioning. h, c). A.C. & D.C., conduits, distribution board and h) fixtures, design of layout and symbols for (telephone, fax, EPABX etc.) and their layout ion, Importance of Air-conditioning, Types of ducting, layout and design drawings. ARSCUI cation & Installations of Lifts. NBC norms & tors, Moving pumps and walks. Automated			
UNIVERSITY I Focus :	EXAMINATION(WRITTEN) =50 (A) Building Electrical Services, Communicati (B) Mechanical Circulation, automated system (C) Artificial water bodies (SWIMMING POOLS (A) Electrical Services - Power Connection, A fuses, Wiring System (concealed & open representation. Communication systems and connections. (B) Air conditioning and mechanical ventilat A/C., components of an A.C. system., ot treatment. Lifts: General design, Classifi guidelines, capsule lift; Escalators Eleva systems: Alarm systems, automatic lightin	on Systems and Air conditioning. h, h.C. & D.C., conduits, distribution board and h) fixtures, design of layout and symbols for (telephone, fax, EPABX etc.) and their layout ion, Importance of Air-conditioning, Types of ducting, layout and design drawings. ARSCUI cation & Installations of Lifts. NBC norms & tors, Moving pumps and walks. Automated g and A.C. systems, door closing / opening etc.			
UNIVERSITY I Focus :	EXAMINATION(WRITTEN) =50 (A) Building Electrical Services, Communicati (B) Mechanical Circulation, automated system (C) Artificial water bodies (SWIMMING POOLS (A) Electrical Services - Power Connection, A fuses, Wiring System (concealed & oper representation. Communication systems and connections. (B) Air conditioning and mechanical ventilat A/C., components of an A.C. system., o treatment. Lifts: General design, Classifi guidelines, capsule lift; Escalators Eleval	on Systems and Air conditioning. h, A.C. & D.C., conduits, distribution board and h) fixtures, design of layout and symbols for (telephone, fax, EPABX etc.) and their layout ion, Importance of Air-conditioning, Types of ducting, layout and design drawings. ARSCUI cation & Installations of Lifts. NBC norms & tors, Moving pumps and walks. Automated g and A.C. systems, door closing / opening etc. system			

DETAILED SYLLABUS FOR 5-YEAR BARHELOR OF ARCHITECTURE PROGRAM

AE 2608 EL	ECTIVES -II	(L=0, S=0, W=4)	CREDITS =02	
INTERNAL A	SSESSMENT(TERM WORK	(/ASSIGNMENTS)=100	CONTACT HRS/WK= 04	
Focus :	To help students in	exploring their aptitudes and in developing	skills in fields of their choice.	
Content :	-	ts shall be offered depending on faculty ava	•	
	Students may regist	er for any one of the offered courses for the	e semester.	
	Courses that may be	e offered from time to time :		
	AE 2608/1 – Creativ	e Writing		
		iation of Art through Literature		
		able Development Goals		
	AE 2608/4 – Archite			
	AE 2608/5 – Produc	0		
	AE 2608/6 – Sustain			
	AE 2608/7 – Bio-mir			
	AE 2608/8 - Advanc	-		
	AE 2608/9 – Artificia			
	AE 2608/10-Apprred			
Method :	Portfolio and Projec	t Submission.		
		B.Arch-IV: SEMESTER VII		
	OFFICE TRAINING	(L=0, S=07, W=0)	CREDITS = 25	
	SESSMENT(T.W.)	= 50	CONTACT HRS/WK = 35-40	
	XAMINATION (JURY/TIME		tion in all the energians that take	
Focus :		are of and to inculcate a sense of appreciat	•	
Contonto		reliminary sketch design to the completion		
Contents:		nplete a minimum of sixteen-eighteen wee I architectural practice firm. They are requi		
		a minimum period of one week.	ned to participate in each activity	
	-	report file and recording their activities	s during training pariod in datail	
		pected to do case study of one project that		
	-			
	training period. This study should include a complete documentation and analysis of the architectural (structural and constructional aspects of the project. Details which are deemed			
	architectural / structural and constructional aspects of the project. Details which are deemed confidential by the firm should not be included in the study report, which must be submitted along			
	with the Weekly Repor		it, which must be submitted along	
		d to work on preparation of Municipal c	drawings hasic knowledge about	
	•	r work, marking of layout on site, sanitary f		
Method:		in well established private architect's		
wethou:		ted to architectural work.	onice, or government, selli –	
	government onice rela			

DETAILED SYLLABUS FOR 5-YEAR BARHELOR OF ARCHITECTURE PROGRAM

B.Arch-IV: SEMESTER VIII				
INTERNAL AS	SSESSMENT (TERM WORK)	=50	CONTACT HRS/WK =15	
UNIVERSITY	EXAMINATION (CRIT/TIME PR	OBLEM/ VIVA) =50		
Focus :	Housing Design			
Contents :	user group, historical d environmental characteristi Analysis of land use, groun circulation systems, form & Relationship between socio	& Urban neighbourhoods to understar levelopment and future growth ics, issues of density, land use, ground nd coverage, density, building line, character of built- environment and o p-economic & cultural aspects and p eo-physical attributes of the location.	trends, socio-economic and l coverage. housing typology, transport and pen spaces.	
Projects :		v urbanizing settlement in the vicinity of	or a sector of a large urban area.	
Skills :	Analysis of multiple aspec requirements.	cts of emergent design pattern of s		
	•	ands/requirements. Application of haping of settlements.	social, environmental, economic	
AR2802 D	Resolution of diverse dem		social, environmental, economic CREDITS =02	
INTERNAL AS	Resolution of diverse dem and political issues in the sh ESIGN SEMINAR SSESSMENT(EXERCISES)	haping of settlements. (L=0, S=0,W=4) = 50		
INTERNAL AS	Resolution of diverse dem and political issues in the sh ESIGN SEMINAR SSESSMENT(EXERCISES) EXAMINATION	haping of settlements. (L=0, S=0,W=4) = 50 = 50	CREDITS =02	
INTERNAL AS UNIVERSITY	Resolution of diverse dem and political issues in the sk ESIGN SEMINAR ESESSMENT(EXERCISES) EXAMINATION Theory, techniques and issu Definition and scope of H elements of Residential A Amenities Hierarchy of linka per person. Building Typologies and form	(L=0, S=0,W=4) = 50 = 50 ues in design of residential areas. Housing, residential areas as a part Areas - Built-form, Open spaces and ages, Concepts of density - gross densions ms, relationship of built form density,	CREDITS =02 CONTART HRS/WK =04 of urban areas. Structure and nd Circulation, Infrastructure & sity, net residential density, areas F.S.I. etc.	
INTERNAL AS UNIVERSITY Focus :	Resolution of diverse dem and political issues in the sk ESIGN SEMINAR SESSMENT(EXERCISES) EXAMINATION Theory, techniques and issu Definition and scope of H elements of Residential A Amenities Hierarchy of linka per person. Building Typologies and forr Theories & approaches to re	(L=0, S=0,W=4) = 50 = 50 ues in design of residential areas. Housing, residential areas as a part Areas - Built-form, Open spaces and ages, Concepts of density - gross density	CREDITS =02 CONTART HRS/WK =04 of urban areas. Structure and nd Circulation, Infrastructure & sity, net residential density, areas F.S.I. etc. ng.	
INTERNAL AS UNIVERSITY Focus : Content :	Resolution of diverse dem and political issues in the sh ESIGN SEMINAR SESSMENT(EXERCISES) EXAMINATION Theory, techniques and issu Definition and scope of H elements of Residential A Amenities Hierarchy of linka per person. Building Typologies and form Theories & approaches to reference Basic information to be in for Students are to examine view	(L=0, S=0,W=4) = 50 = 50 dousing, residential areas. dousing, residential areas as a part Areas - Built-form, Open spaces and ages, Concepts of density - gross density, ms, relationship of built form density, esidential area, design issues in Housing	CREDITS =02 CONTART HRS/WK =04 of urban areas. Structure and nd Circulation, Infrastructure & sity, net residential density, areas F.S.I. etc. ng. illustrations.	
INTERNAL AS UNIVERSITY Focus : Content :	Resolution of diverse dem and political issues in the sk ESIGN SEMINAR ESESSMENT(EXERCISES) EXAMINATION Theory, techniques and issu Definition and scope of H elements of Residential A Amenities Hierarchy of linka per person. Building Typologies and forr Theories & approaches to re Basic information to be in fo Students are to examine via seminar presentation.	(L=0, S=0,W=4) = 50 = 50 ues in design of residential areas. Housing, residential areas as a part Areas - Built-form, Open spaces and ages, Concepts of density - gross densions ms, relationship of built form density, esidential area, design issues in Housing orm of lectures with case studies and	CREDITS =02 CONTART HRS/WK =04 of urban areas. Structure and nd Circulation, Infrastructure & sity, net residential density, areas F.S.I. etc. ng. illustrations.	
INTERNAL AS UNIVERSITY Focus : Content : Method :	Resolution of diverse dem and political issues in the sk ESIGN SEMINAR ESESSMENT(EXERCISES) EXAMINATION Theory, techniques and issu Definition and scope of H elements of Residential A Amenities Hierarchy of linka per person. Building Typologies and forr Theories & approaches to re Basic information to be in fo Students are to examine via seminar presentation.	(L=0, S=0,W=4) = 50 = 50 ues in design of residential areas. Housing, residential areas as a part Areas - Built-form, Open spaces and ages, Concepts of density - gross densions ms, relationship of built form density, esidential area, design issues in Housing orm of lectures with case studies and	CREDITS =02 CONTART HRS/WK =04 of urban areas. Structure and nd Circulation, Infrastructure & sity, net residential density, areas F.S.I. etc. ng. illustrations.	
INTERNAL AS UNIVERSITY Focus : Content : Method : REFERENCES	Resolution of diverse dem and political issues in the sh ESIGN SEMINAR SESSMENT(EXERCISES) EXAMINATION Theory, techniques and issu Definition and scope of H elements of Residential A Amenities Hierarchy of linka per person. Building Typologies and forr Theories & approaches to re Basic information to be in for Students are to examine via seminar presentation.	(L=0, S=0,W=4) = 50 = 50 Les in design of residential areas. Housing, residential areas as a part Areas - Built-form, Open spaces and ages, Concepts of density - gross densions ms, relationship of built form density, esidential area, design issues in Housing orm of lectures with case studies and ews related to housing design througe	CREDITS =02 CONTART HRS/WK =04 of urban areas. Structure and nd Circulation, Infrastructure & sity, net residential density, areas F.S.I. etc. ng. illustrations. gh assignments concluding with a	
INTERNAL AS UNIVERSITY Focus : Content : Method : REFERENCES Sr. No.	Resolution of diverse dem and political issues in the sh ESIGN SEMINAR SESSMENT(EXERCISES) EXAMINATION Theory, techniques and issu Definition and scope of H elements of Residential A Amenities Hierarchy of linka per person. Building Typologies and forr Theories & approaches to re Basic information to be in fo Students are to examine via seminar presentation.	(L=0, S=0,W=4) = 50 = 50 ues in design of residential areas. Housing, residential areas as a part Areas - Built-form, Open spaces and ages, Concepts of density - gross densions ms, relationship of built form density, lesidential area, design issues in Housing orm of lectures with case studies and ews related to housing design throug Author	CREDITS =02 CONTART HRS/WK =04 of urban areas. Structure and nd Circulation, Infrastructure & sity, net residential density, areas F.S.I. etc. ng. illustrations. gh assignments concluding with a	
INTERNAL AS UNIVERSITY Focus : Content : Method : REFERENCES Sr. No. 01.	Resolution of diverse dem and political issues in the share of political issues in the share of political issues in the share of the second	(L=0, S=0,W=4) = 50 = 50 ues in design of residential areas. dousing, residential areas as a part Areas - Built-form, Open spaces and ages, Concepts of density - gross densions ms, relationship of built form density, lesidential area, design issues in Housing orm of lectures with case studies and ews related to housing design throug Author Amos Rapopor	CREDITS =02 CONTART HRS/WK =04 of urban areas. Structure and nd Circulation, Infrastructure & sity, net residential density, areas F.S.I. etc. ng. illustrations. gh assignments concluding with a rt os	
INTERNAL AS UNIVERSITY Focus : Content : Method : REFERENCES Sr. No. 01. 02.	Resolution of diverse dem and political issues in the sk ESIGN SEMINAR SESSMENT(EXERCISES) EXAMINATION Theory, techniques and issu Definition and scope of H elements of Residential A Amenities Hierarchy of linka per person. Building Typologies and forr Theories & approaches to re Basic information to be in for Students are to examine vie seminar presentation. : Title House Form and Culture Urbanization Primer	(L=0, S=0,W=4) = 50 = 50 ues in design of residential areas. Iousing, residential areas as a part Areas - Built-form, Open spaces and ages, Concepts of density - gross densions ms, relationship of built form density, lesidential area, design issues in Housing orm of lectures with case studies and ews related to housing design througe Author Amos Rapopor Horatio Camin	CREDITS =02 CONTART HRS/WK =04 of urban areas. Structure and nd Circulation, Infrastructure & sity, net residential density, areas F.S.I. etc. ng. illustrations. gh assignments concluding with a rt os	

DETAILED SYLLABUS FOR 5-YEAR BARHELOR OF ARCHITECTURE PROGRAM

AR 2803	BEHAVIOURAL SCIENCE	(L=2,S=0, W=0)	CREDITS =02		
INTERNAL A	ASSESSMENT(TERM WORK /EXEF	RCISES) = 50	CONTACT HRS/WK = 02		
UNIVERSITY	(EXAMINATION	= 50			
Focus :	(A) Developing an aware	(A) Developing an awareness of how social dimensions play an important role in shaping Built			
	Environment.				
			al responses created due to particular		
	type of built environ	ment.			
Content :	(A) SOCIOLOGY				
		I – Bio - Socio – Cultural societie	25.		
	Characteristics of Human Soc	•			
	Social Norms, their origin & o				
	-	nieved statuses, social esteem			
		Primary groups, and secondary groups.			
		Family & its problems			
	Characteristics of Urban Social life.				
	Process of Urbanization in India, Urbanization & Industrialization.				
	Social issues of Urban life.				
	(B) ENVIRONMENTAL PSYCHOLOGY:				
	Psychology - definition and scope. Environmental Psychology, it objectives.				
	,	Types of environment; Built environment - factors contributing to its efficiency (colour, ambient			
		aspects, size and shape) personal variables effecting environmental psychology, furnishings.			
	Personal space, Defensible space and Territoriality.				
	Housing - Single family and multi-family dwelling; behaviour in public housing areas.				
	Institutional buildings - hospitals, mental institutions, penal institution				
	Offices- behaviour in workplaces: landscaped offices vs traditional office.				
	Environment as a source of a threat and Role of an Architect.				
Method	Lectures, seminars, case-stud	dies			
REFERENCE	S:				
Sr.No.	Title	Author			
01.	Environmental Psychology	Norman	Heimstra		
02.	Designing for Human Behavi	our Jon Lang	3		
03.	Creating an Architectural The	eory Jon Lang			
04.	Environmental Interaction	David Cante	er & Peter Stringer		
05.	Defensible Space	Oscar Newr	man		

DETAILED SYLLABUS FOR 5-YEAR BARHELOR OF ARCHITECTURE PROGRAM

AR 2804 C	ONSTRUCTION PROJECT MANAGEMENT	(L=1,S=0,W=2)	CREDITS =02
INTERNAL A	ASSESSMENT(TERM WORK /EXERCISES) = 50		CONTACT HRS/WK = 03
UNIVERSITY	Y EXAMINATION = 50		
Focus :	Understanding project planning and manage	gement	
Content :	Nature of construction projects, need for	or proper planning and	Management Processes and
	Equipment used.		
	Techniques for scheduling : bar charts,	Network diagram, pro	ject Evaluation and Review
	Techniques, Critical path Method.		
	Practical implementation and application of		l construction projects.
	Maintenance of records, bills and method o		
Method :	Lecture based with series of exercises on va	arious management tech	iniques.
	HISTORY OF (URBAN) TOWN PLANNING (EKIST	ICS) (L=2,S=0,W=0)	CREDITS = 02
	ASSESSMENT(TERM WORK /EXERCISES) = 50		CONTACT HRS/WK = 02
UNIVERSIT	Y EXAMINATION = 50		
Focus :	To acquaint the students with the develop	ment in the field of To	wn Planning/Urban Design
	Settlement design		
Content :	History of Town Planning/Settlement design		and approaches.
	Examples of various historical experiments a		
	Developments in India from early times to t		
	Vedic Planning concept, Islamic planning, v		
	Role of Sir Patrick Geddess & others in planning processes		
	Contemporary practices-evolution of sustainable, smart, resilient cities		
	Role of Urban laws in city making. Developm		
Method :	The course is mainly intended to be lecture	based, with case studies	and illustrations.
REFERENCE			
Sr. No.	Title	Author	
		Dr H D Konard	hikar & G R Diwan
01.	Human Settlements		dikar &G.R.Diwan
02.	History of Urban Form	AEJ Morris	
02. 03.	History of Urban Form Indian Cities in Arid west	AEJ Morris K.B.Jain & Mir	nakshi Jain
02. 03. 04.	History of Urban Form Indian Cities in Arid west Architecture, Time & Eternity	AEJ Morris K.B.Jain & Mir Adrian Snodgi	nakshi Jain rass
02. 03.	History of Urban Form Indian Cities in Arid west	AEJ Morris K.B.Jain & Mir	nakshi Jain rass Uni.public.

DETAILED SYLLABUS FOR 5-YEAR BARHELOR OF ARCHITECTURE PROGRAM

AR 2806 IN	FRASTRUCTURE SERVICES (L:	=2, S=0,W =0)	CREDITS =02		
	SESSMENT(TERM WORK /ASSIGNMENTS) =50		CONTACT HRS/WK= 02		
	XAMINATION (WRITTEN/ THEORY EXAM.) = 50				
Focus :	Settlement Infrastructure Services				
Content :	Water Supply for large scale settlement; including Rainwater harvesting.				
	Supply systems, layout, intake units, and sto	-			
	Water purification & disinfection with spatia	I requirement for the sar	ne.		
	Waste & Waste water handling.				
	Types of wastes: storm water, garbage, su		al wastes.		
	Different types of drains and sewer, sewer a	•			
	Handling by septic tank and alternative meth				
	Sewage treatment works, treatment units a	nd their spatial require	ments.		
	Sewage disposal by different method.				
	Roads - types, alignment, width and ca	arriage width of roads	s, shoulders, curves, super-		
	elevation, curbs etc.(Geometric Design).				
	Parking spaces, rules & general requirement.		9 chasifications		
	Fire fighting-requirement for fire fighting, fir	-	-		
	Lighting-arrangement of street lighting, de	ensity, spacing neight e	etc., Location of transformer		
	substation & their spatial requirements.	le communication role	wance with planning and		
		Telecommunication-various modes of telecommunication, relevance with planning, and precautions to be taken while planning including spatial requirements.			
Mathad .	· · · · · ·	ading spatial requirement	its.		
Method : REFERENCES	Lectures, seminars, case studies				
Sr.No.	Title	Author			
		G.S.Birdie			
1 2	Water Supply & Sanitary Engineering				
3	Public Health Engineering	Rangwala F.Halls			
	Building Services				
4	Road & Transportation Engineering	S.K.Khanna			
AE 2807 EL		=0, S=0, W=3)	CREDITS =02		
	SESSMENT(TERM WORK /ASSIGNMENTS)=100	-0, 3-0, ₩-3/	CONTACT HRS/WK= 03		
Focus :	To help students in exploring their aptitudes	and in developing skills			
Content :	A number of subjects shall be offered depen				
	Students may register for any one of the offered courses for the semester.				
	Courses that may be offered from time to time :				
	AE 2808/1 – Architectural Journalism		Slum redevelopment		
	AE 2808/3 – Structures of Special buildings		Digital Fabrication		
	AE 2808/5 – Product Design		Sustainable Architecture		
	AE 2808/7 – Bio-mimetic Architecture	-	Advanced Climatic design		
	AE 2808/9 – Artificial illumination	-	Advanced computer graphics		
		, -			
Method :	Portfolio and Project Submission.				

DETAILED SYLLABUS FOR 5-YEAR BARHELOR OF ARCHITECTURE PROGRAM

-	B.Arch-V	: SEMESTER IX		
AR 2901 D	ESIGN STUDIO - IX (I	.=0, S=21, W=0)	CREDITS = 15	
		50	CONTACT HRS/WK = 21	
	XAMINATION (JURY/TIME PROBLEM/VIVA) =			
Focus :	To evaluate the ability of students to de	-	•	
	architectural character and contextuali	-	cture for the collective design of	
	Settlement level Institution/Housing/Ar			
Contents:	Architecture for the Public Domain is e	mphasized through detailed	d analysis & study of a town/ or	
	parts.	ula a suffacia da la ata di sufficia		
	Design resolution for a project in the u		-	
	of developing individual designs for diventified the settlement.	erse projects within on ove	rail conceptual development for	
	A comprehensive resolution of all asp	acts of the project, detail	led design control mechanisms	
	structure and materials, landscaping et			
Projects:	Projects could be of the following natur			
	Urban infill, Slum Up-gradation, Conse		of core areas, new development	
	etc.			
Skills :	Reading urban fabric, urban analysis, ur	ban graphical representatio	on	
REFERENCES				
Sr. No.	Title	Author		
1	Concise Townscape	Gordon Cullen		
2	Urban Design as Public Policy	Jonathan Barnett		
3	Finding Lost Space	Roger Trancik		
4	Urban Space	Rob Krier		
5	The Urban Design Process	Hamid Shirvani		
6	Cities of Tomorrow	Le Corbusier		
7	The New Theory of Urban Design	Christopher Alexander		
	ESIGN SEMINAR	(L=0,S=0,W=4)	CREDITS = 02	
	SSESSMENT(T.W./PERIODIC REVIEW) = 5	0	CONTACT HRS/WK = 04	
	EXAMINATION = 50			
	Theory, techniques and issues in design			
Contents :	Brief history of Urban design, its scope			
	Theories and approaches of eminent designers and theoreticians with illustrative cases.			
	Structure and elements of urban areas, nature and development.			
	Contemporary approaches to urban design.			
Mathad	Issues and aspects of urban design.	muto required for the Dari	an Chudio, through lastimos and	
Method:	The course is expected to provide the in			
	discussion, also encourage enquiry a elaborate on contemporary issues and	_		
	in a class seminar		i paper which can be presented	
	111 d Class SCI11111dl			

DETAILED SYLLABUS FOR 5-YEAR BARHELOR OF ARCHITECTURE PROGRAM

Title		Author	
Concepts of Urban Design	1	David Gosling	
Design of Cities	E	dmond BARon	
Image of the City	К	íevin Lynch	
Introduction to Urban Design	Р	aul Sprieregen	
	(1-1 5-2	,W=0) CREDITS = 03	
	-	$\frac{CREDITS = 03}{CONTACT HRS/WK} = 04$	
-	-		
Understanding the methodologica	al approach to	carry out a research based programme in order to	
		research, meaning of research in the field of	
-	•••		
• , ·		• •	
		n undergraduate thesis, its structure and other	
	a mix of lectu	ures/discussions with a number of assignments and	
	exercises to impart the skills necessary for carrying out the dissertation. Preparation of a viable		
-	•	, .	
		· · ·	
Title		Author	
Inquiry by Design		John Ziesel	
Research Methods			
Research Methods			
Research Methods SERVATION	(L=2,S=0,W=		
	• • •		
SERVATION SESSMENT(T.W./PERIODIC REVIEW)	• • •	0) CREDITS = 02	
NSERVATION SESSMENT(T.W./PERIODIC REVIEW)) = 50 = 50	0) CREDITS = 02 CONTACT HRS/WK = 02	
NSERVATION SESSMENT(T.W./PERIODIC REVIEW) EXAMINATION = Conservation of historical monum) = 50 = 50 ents, building	0) CREDITS = 02 CONTACT HRS/WK = 02	
SERVATION SESSMENT(T.W./PERIODIC REVIEW) EXAMINATION = Conservation of historical monum Architectural Conservation: Nee	= 50 = 50 ents, building d and Impor	0) CREDITS = 02 CONTACT HRS/WK = 02 cs and sites.	
SERVATION SESSMENT(T.W./PERIODIC REVIEW) EXAMINATION = Conservation of historical monum Architectural Conservation: Nee buildings. Urban Conservation:) = 50 = 50 ents, building d and Impor Identificatio	0) CREDITS = 02 CONTACT HRS/WK = 02 is and sites. tance of conservation of historical monuments,	
NSERVATION SESSMENT(T.W./PERIODIC REVIEW) EXAMINATION Conservation of historical monum Architectural Conservation: Nee buildings. Urban Conservation: techniques. Landscaping, mainter) = 50 = 50 ents, building d and Impor Identification nance and m	0) CREDITS = 02 CONTACT HRS/WK = 02 is and sites. tance of conservation of historical monuments, n of areas for conservation. Approaches and	
SERVATION SESSMENT(T.W./PERIODIC REVIEW) EXAMINATION = Conservation of historical monum Architectural Conservation: Nee buildings. Urban Conservation: techniques. Landscaping, mainter studies from India and abroad.) = 50 = 50 ents, building d and Impor Identification nance and m Restoration c	0) CREDITS = 02 CONTACT HRS/WK = 02 s and sites. tance of conservation of historical monuments, n of areas for conservation. Approaches and anagement of conserved areas or buildings. Case	
SERVATION SESSMENT(T.W./PERIODIC REVIEW) EXAMINATION = Conservation of historical monum Architectural Conservation: Nee buildings. Urban Conservation: techniques. Landscaping, mainte studies from India and abroad. equipment. Deterioration and pr) = 50 = 50 ents, building d and Impor Identification nance and m Restoration c reventive mea	0) CREDITS = 02 CONTACT HRS/WK = 02 is and sites. tance of conservation of historical monuments, n of areas for conservation. Approaches and anagement of conserved areas or buildings. Case of old buildings - materials used, techniques and	
SERVATION SESSMENT(T.W./PERIODIC REVIEW) EXAMINATION = Conservation of historical monum Architectural Conservation: Nee buildings. Urban Conservation: techniques. Landscaping, mainte studies from India and abroad. equipment. Deterioration and pr) = 50 ents, building d and Impor Identification nance and m Restoration c reventive mea servation, Gra	0) CREDITS = 02 CONTACT HRS/WK = 02 (contact HRS/WK = 02) (contact HRS/WK = 02) (contac	
NSERVATION SESSMENT(T.W./PERIODIC REVIEW) EXAMINATION Conservation of historical monum Architectural Conservation: Nee buildings. Urban Conservation: Nee buildings. Urban Conservation: techniques. Landscaping, mainter studies from India and abroad. equipment. Deterioration and pr other institutions involved in Conservation) = 50 = 50 d and Impor Identification nance and m Restoration c reventive measervation, Gra Documentatio	0) CREDITS = 02 CONTACT HRS/WK = 02 (s and sites. tance of conservation of historical monuments, n of areas for conservation. Approaches and anagement of conserved areas or buildings. Case of old buildings - materials used, techniques and asures. Funding agencies, NGOs, Government and iding and Listing of Conservation property, Ethics of on, significance and types	
SERVATION SESSMENT(T.W./PERIODIC REVIEW) EXAMINATION = Conservation of historical monum Architectural Conservation: Nee buildings. Urban Conservation: techniques. Landscaping, mainter studies from India and abroad. equipment. Deterioration and pr other institutions involved in Conservation, Glossary of terms, D) = 50 = 50 d and Impor Identification nance and m Restoration c reventive measervation, Gra Documentatio	0) CREDITS = 02 CONTACT HRS/WK = 02 (s and sites. tance of conservation of historical monuments, n of areas for conservation. Approaches and anagement of conserved areas or buildings. Case of old buildings - materials used, techniques and asures. Funding agencies, NGOs, Government and iding and Listing of Conservation property, Ethics of on, significance and types	
NSERVATION SESSMENT(T.W./PERIODIC REVIEW) EXAMINATION Conservation of historical monum Architectural Conservation: Nee buildings. Urban Conservation: Nee studies from India and abroad. equipment. Deterioration and pr other institutions involved in Cons Conservation, Glossary of terms, E Case studies, illustrations, assignm TITLE) = 50 ents, building d and Impor Identification nance and m Restoration c reventive mea servation, Gra Documentation nents & prese	0) CREDITS = 02 CONTACT HRS/WK = 02 (s and sites. tance of conservation of historical monuments, n of areas for conservation. Approaches and anagement of conserved areas or buildings. Case of old buildings - materials used, techniques and asures. Funding agencies, NGOs, Government and iding and Listing of Conservation property, Ethics of on, significance and types	
NSERVATION SESSMENT(T.W./PERIODIC REVIEW) EXAMINATION Conservation of historical monum Architectural Conservation: Nee buildings. Urban Conservation: Nee buildings. Urban Conservation: techniques. Landscaping, mainter studies from India and abroad. equipment. Deterioration and pr other institutions involved in Cons Conservation, Glossary of terms, I Case studies, illustrations, assignm) = 50 = 50 d and Impor Identification nance and m Restoration of reventive measervation, Gra Documentation nents & prese	0) CREDITS = 02 CONTACT HRS/WK = 02 is and sites. tance of conservation of historical monuments, n of areas for conservation. Approaches and anagement of conserved areas or buildings. Case of old buildings - materials used, techniques and asures. Funding agencies, NGOs, Government and inding and Listing of Conservation property, Ethics of in, significance and types ntation	
	Concepts of Urban Design Design of Cities Image of the City Introduction to Urban Design ESIS ORIENTATION SESSMENT (T.W./PERIODIC REVIEW EXAMINATION Understanding the methodologica design an architectural project inv Nature and function of researd architectural design. Pure and a research methodology Technique report Writing skills, presentatio notations, cross reference etc. requirements. The course must be conducted as exercises to impart the skills nec proposal for the next semester's c	Concepts of Urban Design E Design of Cities E Image of the City K Introduction to Urban Design P ESIS ORIENTATION (L=1,S=3) SESSMENT (T.W./PERIODIC REVIEW) = 50 EXAMINATION = 50 Understanding the methodological approach to design an architectural project involving a set o Nature and function of research, scientific architectural design. Pure and applied researes research methodology Techniques of data coll report Writing skills, presentation aids Use or notations, cross reference etc. Nature of a requirements. The course must be conducted as a mix of lectre exercises to impart the skills necessary for call proposal for the next semester's dissertation w Title	

DETAILED SYLLABUS FOR 5-YEAR BARHELOR OF ARCHITECTURE PROGRAM

Effective from Academic Year: 2017-18

AE 2905 ELI	ECTIVES -VIII (L=0, S=0, W=3)	CREDITS =03
INTERNAL ASS	ESSMENT(TERM WORK /ASSIGNMENTS)=100	CONTACT HRS/WK= 03
Focus	To help students in exploring their aptitudes and in develop	ping skills in fields of their choice.
Content	A number of subjects shall be offered depending on faculty	availability.
	Students may register for any one of the offered courses fo	or the semester.
	Courses that may be offered from time to time :	
	AE 2908/1 – Architectural Journalism	
	AE 2908/2 – Slum redevelopment	
	AE 2908/3 - Theatrics	
	AE 2908/4 – Digital Fabrication	
	AE 2908/5 – Product Design	
	AE 2908/6 – Sustainable Architecture	
	AE 2908/7 – Bio-mimetic Architecture	
	AE 2908/8 - Advanced Climatic design	
	AE 2908/9 – Artificial illumination	
	AE 2908/10- Advanced computer graphics	
Method	Portfolio and Project Submission.	
	B.Arch-V: SEMESTER X	
		CREDITS = 20
INTERNAL AS	SESSMENT(T.W./PERIODIC REVIEW) = 50	CREDITS = 20 CONTACT HRS/WK = 30
NTERNAL AS	SESSMENT(T.W./PERIODIC REVIEW) = 50 EXAMINATION (JURY/CRIT) = 50	
INTERNAL AS UNIVERSITY I Focus :	SESSMENT(T.W./PERIODIC REVIEW)= 50EXAMINATION (JURY/CRIT)= 50Inquiry by Design / Research	CONTACT HRS/WK = 30
	SESSMENT(T.W./PERIODIC REVIEW)= 50EXAMINATION (JURY/CRIT)= 50Inquiry by Design / ResearchThe Thesis is intended to evaluate the student's capacity a	CONTACT HRS/WK = 30
INTERNAL AS UNIVERSITY Focus :	SESSMENT(T.W./PERIODIC REVIEW) = 50 EXAMINATION (JURY/CRIT) = 50 Inquiry by Design / Research The Thesis is intended to evaluate the student's capacity a Study in the chosen field to be carried out in two stages :	CONTACT HRS/WK = 30
INTERNAL AS UNIVERSITY I Focus :	SESSMENT(T.W./PERIODIC REVIEW) = 50 EXAMINATION (JURY/CRIT) = 50 Inquiry by Design / Research The Thesis is intended to evaluate the student's capacity a Study in the chosen field to be carried out in two stages : A) Data collection & analysis	CONTACT HRS/WK = 30 nd maturity in the field of Architectur
INTERNAL AS UNIVERSITY I Focus :	SESSMENT(T.W./PERIODIC REVIEW) = 50 EXAMINATION (JURY/CRIT) = 50 Inquiry by Design / Research The Thesis is intended to evaluate the student's capacity a Study in the chosen field to be carried out in two stages : A) Data collection & analysis - An in depth investigation into the aspects of the chosen and	CONTACT HRS/WK = 30 nd maturity in the field of Architectur rea.
INTERNAL AS UNIVERSITY I Focus :	SESSMENT(T.W./PERIODIC REVIEW) = 50 EXAMINATION (JURY/CRIT) = 50 Inquiry by Design / Research The Thesis is intended to evaluate the student's capacity a Study in the chosen field to be carried out in two stages : A) Data collection & analysis - An in depth investigation into the aspects of the chosen and analysis of data, inferences to establish underlying princip	CONTACT HRS/WK = 30 nd maturity in the field of Architectur rea. oles.
INTERNAL AS UNIVERSITY I Focus :	SESSMENT(T.W./PERIODIC REVIEW) = 50 EXAMINATION (JURY/CRIT) = 50 Inquiry by Design / Research The Thesis is intended to evaluate the student's capacity a Study in the chosen field to be carried out in two stages : A) Data collection & analysis - An in depth investigation into the aspects of the chosen and	CONTACT HRS/WK = 30 nd maturity in the field of Architectur rea. oles.
NTERNAL AS UNIVERSITY Focus :	SESSMENT(T.W./PERIODIC REVIEW) = 50 EXAMINATION (JURY/CRIT) = 50 Inquiry by Design / Research The Thesis is intended to evaluate the student's capacity a Study in the chosen field to be carried out in two stages : A) Data collection & analysis - An in depth investigation into the aspects of the chosen and analysis of data, inferences to establish underlying princip	CONTACT HRS/WK = 30 nd maturity in the field of Architectur rea. oles.
INTERNAL AS UNIVERSITY I Focus :	SESSMENT(T.W./PERIODIC REVIEW) = 50 EXAMINATION (JURY/CRIT) = 50 Inquiry by Design / Research The Thesis is intended to evaluate the student's capacity a Study in the chosen field to be carried out in two stages : A) Data collection & analysis - An in depth investigation into the aspects of the chosen and the chosen and the chosen and the chosen of the chosen and the chosen of the chosen and the c	CONTACT HRS/WK = 30 nd maturity in the field of Architectur rea. oles.
INTERNAL AS UNIVERSITY Focus :	SESSMENT(T.W./PERIODIC REVIEW) = 50 EXAMINATION (JURY/CRIT) = 50 Inquiry by Design / Research The Thesis is intended to evaluate the student's capacity a Study in the chosen field to be carried out in two stages : A) Data collection & analysis - An in depth investigation into the aspects of the chosen and - Analysis of data, inferences to establish underlying princip - Reviews of existing practices / theory in view of current comparison B) Design / Research	CONTACT HRS/WK = 30 nd maturity in the field of Architectur rea. oles. ontexts.
INTERNAL AS UNIVERSITY I Focus :	SESSMENT(T.W./PERIODIC REVIEW) = 50 EXAMINATION (JURY/CRIT) = 50 Inquiry by Design / Research The Thesis is intended to evaluate the student's capacity a Study in the chosen field to be carried out in two stages : A) Data collection & analysis - An in depth investigation into the aspects of the chosen and - Analysis of data, inferences to establish underlying princip - Reviews of existing practices / theory in view of current compared by Design / Research - Prepare detailed programme	CONTACT HRS/WK = 30 nd maturity in the field of Architectur rea. oles. ontexts.
INTERNAL AS UNIVERSITY I Focus : Contents :	SESSMENT(T.W./PERIODIC REVIEW) = 50 EXAMINATION (JURY/CRIT) = 50 Inquiry by Design / Research The Thesis is intended to evaluate the student's capacity a Study in the chosen field to be carried out in two stages : A) Data collection & analysis - An in depth investigation into the aspects of the chosen and - Analysis of data, inferences to establish underlying princip - Reviews of existing practices / theory in view of current compared by Design / Research - Prepare detailed programme	CONTACT HRS/WK = 30 nd maturity in the field of Architectur rea. oles. ontexts.
INTERNAL AS UNIVERSITY I Focus : Contents : AR 21002 PR	SESSMENT(T.W./PERIODIC REVIEW) = 50 EXAMINATION (JURY/CRIT) = 50 Inquiry by Design / Research The Thesis is intended to evaluate the student's capacity a Study in the chosen field to be carried out in two stages : A) Data collection & analysis - An in depth investigation into the aspects of the chosen and - Analysis of data, inferences to establish underlying princip - Reviews of existing practices / theory in view of current compared the detailed programme - Design or Research - Prepare detailed programme - Design or Research on basis of studies carried out in Part /	CONTACT HRS/WK = 30 nd maturity in the field of Architectur rea. oles. ontexts.
NTERNAL AS UNIVERSITY I Focus : Contents : AR 21002 PR	SESSMENT(T.W./PERIODIC REVIEW) = 50 EXAMINATION (JURY/CRIT) = 50 Inquiry by Design / Research The Thesis is intended to evaluate the student's capacity a Study in the chosen field to be carried out in two stages : A) Data collection & analysis - An in depth investigation into the aspects of the chosen and - Analysis of data, inferences to establish underlying princip - Reviews of existing practices / theory in view of current compared to be carried out in Part A B) Design / Research - Prepare detailed programme - Design or Research on basis of studies carried out in Part A	CONTACT HRS/WK = 30 nd maturity in the field of Architectur rea. oles. ontexts.
INTERNAL AS UNIVERSITY I Focus : Contents : AR 21002 PR	SESSMENT(T.W./PERIODIC REVIEW) = 50 EXAMINATION (JURY/CRIT) = 50 Inquiry by Design / Research The Thesis is intended to evaluate the student's capacity a Study in the chosen field to be carried out in two stages : A) Data collection & analysis - An in depth investigation into the aspects of the chosen and - Analysis of data, inferences to establish underlying princip - Reviews of existing practices / theory in view of current compared to be carried out in Part / B) Design / Research - Prepare detailed programme - Design or Research on basis of studies carried out in Part / COFESSIONAL PRACTICE (L=2,S=0,W=0) SESSMENT(T.W./PERIODIC REVIEW) = 50	CONTACT HRS/WK = 30 Ind maturity in the field of Architectur rea. oles. ontexts. A CREDITS = 02 CONTACT HRS/WK = 02
INTERNAL AS UNIVERSITY I Focus : Contents : AR 21002 PR INTERNAL AS UNIVERSITY I Focus :	SESSMENT(T.W./PERIODIC REVIEW) = 50 EXAMINATION (JURY/CRIT) = 50 Inquiry by Design / Research The Thesis is intended to evaluate the student's capacity a Study in the chosen field to be carried out in two stages : A) Data collection & analysis - An in depth investigation into the aspects of the chosen and - Analysis of data, inferences to establish underlying princip - Reviews of existing practices / theory in view of current compared to be carried out in Part / B) Design / Research - Prepare detailed programme - Design or Research on basis of studies carried out in Part / COFESSIONAL PRACTICE (L=2,S=0,W=0) SESSMENT(T.W./PERIODIC REVIEW) = 50 EXAMINATION = 50 Creating an awareness of the role & responsibilities of an a	CONTACT HRS/WK = 30 nd maturity in the field of Architectur rea. oles. ontexts. A CREDITS = 02 CONTACT HRS/WK = 02 rchitect
INTERNAL AS UNIVERSITY I Focus : Contents : AR 21002 PR INTERNAL AS UNIVERSITY I	SESSMENT(T.W./PERIODIC REVIEW) = 50 EXAMINATION (JURY/CRIT) = 50 Inquiry by Design / Research The Thesis is intended to evaluate the student's capacity a Study in the chosen field to be carried out in two stages : A) Data collection & analysis - An in depth investigation into the aspects of the chosen and - Analysis of data, inferences to establish underlying princip - Reviews of existing practices / theory in view of current code B) Design / Research - Prepare detailed programme - Design or Research on basis of studies carried out in Part / COFESSIONAL PRACTICE (L=2,S=0,W=0) SESSMENT(T.W./PERIODIC REVIEW) = 50 EXAMINATION = 50 Creating an awareness of the role & responsibilities of an a Role of an Architect, responsibilities and liabilities with	CONTACT HRS/WK = 30 nd maturity in the field of Architectur rea. oles. ontexts. A CREDITS = 02 CONTACT HRS/WK = 02 rchitect
NTERNAL AS JNIVERSITY I Focus : Contents : AR 21002 PR NTERNAL AS JNIVERSITY I Focus :	SESSMENT(T.W./PERIODIC REVIEW) = 50 EXAMINATION (JURY/CRIT) = 50 Inquiry by Design / Research The Thesis is intended to evaluate the student's capacity a Study in the chosen field to be carried out in two stages : A) Data collection & analysis - An in depth investigation into the aspects of the chosen and - Analysis of data, inferences to establish underlying princip - Reviews of existing practices / theory in view of current compared to be carried out in Part / B) Design / Research - Prepare detailed programme - Design or Research on basis of studies carried out in Part / COFESSIONAL PRACTICE (L=2,S=0,W=0) SESSMENT(T.W./PERIODIC REVIEW) = 50 EXAMINATION = 50 Creating an awareness of the role & responsibilities of an a	CONTACT HRS/WK = 30 Ind maturity in the field of Architectur rea. oles. ontexts. A CREDITS = 02 CONTACT HRS/WK = 02 rchitect respect to client and society. Dutie

DETAILED SYLLABUS FOR 5-YEAR BARHELOR OF ARCHITECTURE PROGRAM

Effective from Academic Year: 2017-18

and scale of fees, mode of working and payments, phasing of projects etc. Architectural Competitions- need procedures for conducting, rules and regulations etc. Arbitration - settling of disputes through arbitration, the Arbitration Act, procedures and method of working. Role of an architect as an Arbitrator. Valuation of properties - land and buildings, role of architects as approved valuers. Methods & Techniques for valuation. Tendering, contracts and articles of agreement, execution of contract, appointment of clerk of works, site supervisor, contractor and subcontractor etc. Office Management: Types of firms and legal implications. Accounts and Finance, procedures for loans. Maintaining office records. Office personnel and legal provisions regarding employees of small firms. Settling problems and disputes arising out of contract conditions extra items variation in work quality, insurance and compensation of workers etc. Method: The course must be conducted as a mix of lectures/Expert Talks by practicing Architects on their approaches /discussions with a number of assignments and exercises. AE 21003 ELECTIVES -IX (L=0, S=0, W=3) CREDITS =02 INTERNAL ASSESSMENT[TERM WORK /ASSIGNMENTS]=100 CONTACT HRS/WK= 05 Content A number of subjects shall be offered depending on faculty availability. Students may register for any one of the offered courses for the semester. Courses that may be offered from time to time : AE 21002/1 – Architecturel Journalism AE 21002/2 Sum redevelopment AE 21002/2 – Slum redevelopment			
Arbitration - settling of disputes through arbitration, the Arbitration Act, procedures and method of working. Role of an architect as an Arbitrator. Valuation of properties - land and buildings, role of architects as approved valuers. Methods & Techniques for valuation. Tendering, contracts and articles of agreement, execution of contract, appointment of clerk of works, site supervisor, contractor and subcontractor etc. Office Management: Types of firms and legal implications. Accounts and Finance, procedures for loans. Maintaining office records. Office personnel and legal provisions regarding employees of small firms. Settling problems and disputes arising out of contract conditions extra items variation in work quality, insurance and compensation of workers etc. Method: The course must be conducted as a mix of lectures/Expert Talks by practicing Architects on their approaches /discussions with a number of assignments and exercises. AE 21003 ELECTIVES -IX (L=0, S=0, W=3) CREDITS =02 INTERNAL ASSESSMENT(TERM WORK /ASSIGNMENTS)=100 CONTACT HRS/WK= 05 Content A number of subjects shall be offered depending on faculty availability. Students may register for any one of the offered courses for the semester. Courses that may be offered from time to time : AE 21002/1 – Architectural Journalism AE 21002/2 – Slum redevelopment AE 21002/4 – Alternative Building Technologies AE 21002/2 – Sitainable Architecture AE 21002/4 – Bio-mimetic Architecture AE 21002/5 – Interior Design AE 21002/6 – Sust		and scale of fees, mode of working and payments, phasing of project	ts etc.
of working. Role of an architect as an Arbitrator. Valuation of properties - land and buildings, role of architects as approved valuers. Methods & Techniques for valuation. Tendering, contracts and articles of agreement, execution of contract, appointment of clerk of works, site supervisor, contractor and subcontractor etc. Office Management: Types of firms and legal implications. Accounts and Finance, procedures for loans. Maintaining office records. Office personnel and legal provisions regarding employees of small firms. Settling problems and disputes arising out of contract conditions extra items variation in work quality, insurance and compensation of workers etc. Method: The course must be conducted as a mix of lectures/Expert Talks by practicing Architects on their approaches /discussions with a number of assignments and exercises. AE 21003 ELECTIVES -IX (L=0, S=0, W=3) CREDITS =02 INTERNAL ASSESSMENT(TERM WORK /ASSIGNMENTS)=100 CONTACT HRS/WK= 05 Content A number of subjects shall be offered depending on faculty availability. Students may register for any one of the offered courses for the semester. Courses that may be offered from time to time : AE 21002/1 – Architectural Journalism AE 21002/2 – Slum redevelopment AE 21002/3 – Vernacular Architecture AE 21002/4 – Alternative Building Technologies AE 21002/5 – Interior Design AE 21002/6 – Sustainable Architecture AE 21002/6 – Sustainable Architecture AE 21002/7 – Bio-mimetic Architecture		Architectural Competitions- need procedures for conducting, rules a	and regulations etc.
Valuation of properties - land and buildings, role of architects as approved valuers. Methods & Techniques for valuation. Tendering, contracts and articles of agreement, execution of contract, appointment of clerk of works, site supervisor, contractor and subcontractor etc. Office Management: Types of firms and legal implications. Accounts and Finance, procedures for loans. Maintaining office records. Office personnel and legal provisions regarding employees of small firms. Settling problems and disputes arising out of contract conditions extra items variation in work quality, insurance and compensation of workers etc.Method:The course must be conducted as a mix of lectures/Expert Talks by practicing Architects on their approaches /discussions with a number of assignments and exercises.AE 21003ELECTIVES -IX(L=0, S=0, W=3)CREDITS =02INTERNAL ASSESSMENT(TERM WORK /ASSIGNMENTS)=100CONTACT HRS/WK= 05ContentA number of subjects shall be offered depending on faculty availability. Students may register for any one of the offered courses for the semester. Courses that may be offered from time to time : AE 21002/1 – Architectural Journalism AE 21002/2 – Slum redevelopment AE 21002/3 – Vernacular Architecture AE 21002/6 – Sustainable Architecture AE 21002/7 – Bio-mimetic Architecture AE 21002/8 – Advanced Climatic design AE 21002/8 – Advanced Climatic design AE 21002/9 – Artificial illumination		Arbitration - settling of disputes through arbitration, the Arbitratio	n Act, procedures and method
Techniques for valuation. Tendering, contracts and articles of agreement, execution of contract, appointment of clerk of works, site supervisor, contractor and subcontractor etc. Office Management: Types of firms and legal implications. Accounts and Finance, procedures for loans. Maintaining office records. Office personnel and legal provisions regarding employees of small firms. Settling problems and disputes arising out of contract conditions extra items variation in work quality, insurance and compensation of workers etc.Method:The course must be conducted as a mix of lectures/Expert Talks by practicing Architects on their approaches /discussions with a number of assignments and exercises.AE 21003ELECTIVES -IX(L=0, S=0, W=3)CREDITS =02INTERNAL ASSESSMENT(TERM WORK /ASSIGNMENTS)=100CONTACT HRS/WK= 05ContentA number of subjects shall be offered depending on faculty availability. Students may register for any one of the offered courses for the semester. Courses that may be offered from time to time : AE 21002/1 – Architectural Journalism AE 21002/2 – Slum redevelopment AE 21002/3 – Vernacular Architecture AE 21002/5 – Interior Design AE 21002/6 – Sustainable Architecture AE 21002/7 – Bio-mimetic Architecture AE 21002/7 – Bio-mimetic Architecture AE 21002/8 - Advanced Climatic design AE 21002/8 - Advanced Climatic design AE 21002/9 – Artificial illumination		of working. Role of an architect as an Arbitrator.	
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